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ABSTRACT

While some studies of the earnings of artists have typically claimed that artists earn significantly less than other workers, others suggest that there is no basis for concluding that artists earn any less on average than they would in other jobs. This study presents information regarding the earning and labor market success of artists in the United States as of 1980. Results are presented for many different subgroups of artists. After outlining introductory information in section 1, section 2 outlines the data used and points out a number of possible mechanisms for reconciling the diverse findings of previous work. Section 3 presents overall results concerning earnings of artists. This is followed in section 4 through section 8 by results for various subgroups of artists defined by place of residence, race and sex, marital status, education, self-employment status, and age. Section 9 contains regression equations prediction earnings of artists and comparison groups of other workers. The study reveals that the labor market differs widely across various types of artists, and it is difficult to establish what determines financial success. The findings are presented by 24 figures and 57 tables. Data are derived from 1980 U.S. Census figures. Sixteen references are given. (PPB)

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# LABOR MARKET EARNINGS OF AMERICAN ARTISTS IN 1980

## A Report to The National Endowment for the Arts

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December, 1988

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# SECTION I

## INTRODUCTION

There is great concern in America and other developed societies regarding the economic well-being of creative individuals. The general presumption is that artists must be prepared to make considerable financial sacrifice in order to follow their muse. From George Bernard Shaw's advice to Mrs. Worthington to the garret dwellers in Puccini's La Boheme, artists have driven home their economic plight to the point that the phrase "starving artist" has become a part of the common vocabulary.

Acceptance of the financial plight of artists has been so general that there have been few attempts to rigorously study their economic status. There have been a limited number of works that investigated the earnings of specific groups of artists. Among these are ones dealing with dancers and opera singers (Santos 1976), composers (Felton 1978), visual artists in New Orleans (McLain 1978), visual artists in Australia (Snooks, 1977 and 1983) authors (Kingston, Cole and Merton 1981), media artists (Horowitz 1983) and performing artists in general (Ruttenberg, Friedman, Kilgallon, Gutchess & Associates, 1977 and 1981). To summarize such a wide variety of studies in a single sentence will of necessity not do justice to them all, but a remarkable consensus emerges from this literature. Typically, they claim that artists earn significantly less than other workers, whether or not results are standardized for personal characteristics or left as raw comparisons. One significant exception is Panasuk (1974) who found that performing artists in Canada earned only six percent less than other workers without standardization for personal characteristics.

A more limited number of studies have used national samples to look at the economic condition of artists as a whole. Among these are the National Foundation on the Arts and Humanities (1981), Ellis (1984), and Filer (1986, 1987 and 1988). Both Ellis and the National Foundation supported the findings from the limited sample studies discussed in the previous paragraph that artists are not well paid when compared with other workers. Filer (1986) found a six percent penalty almost identical to that reported by Panasuk before standardization. After adjustment for differences in personal and productive characteristics and life-cycle considerations in a rapidly growing profession such as the arts, he claimed that "there is no basis for concluding that artists earn any less on average than they would in other jobs (Filer, 1986 p. 73)."

For a more complete summary of the literature to date regarding the earnings of artists, the reader is referred to Waits and McNertney (1988). What is clear from this literature is that we do not know with any degree of certainty whether the conventional picture of artists as poorly paid is confirmed when actual earnings are examined. There are a wide rage of findings suggesting that the arts are everything from an economic disaster area to a booming and thriving sector of the labor market.

The current study presents a great deal of information regarding the earnings and labor market success of artists in the United States as of 1980. Results will be presented for many different subgroups of artists. Interpretation will deliberately be kept to a minimum so that the reader may draw his or her own conclusions. Section II immediately following outlines the data used and points out a number of possible mechanisms for reconciling the diverse findings of previous work. Section III presents overall results concerning earnings of artists. This will be followed in sections IV through VIII by results for various subgroups of artists defined by place of residence, race and sex, marital status, education, self-employment status and age. Section IX contains regression equations predicting earnings of artists and comparison groups of other workers. Comparison of the coefficients in these equations enables a study of differences in the structure of the artistic and general labor market. The final substantive results are contained in Section X, where the question of the degree of inequality in artists' earnings as compared with other workers is discussed.

# SECTION II

# DATA AND SAMPLE

A fundamental issue facing any researcher investigating the economic condition of artists is an appropriate definition of who should be included in the sample. Indeed, much of the diversity of results in previous studies can be traced to differing answers to this question. Several alternative definitions are possible. An artist may be considered to be: (1) anyone who makes his or her living primarily from the arts, (2) anyone who earns at least some income from the arts, (3) anyone who joins an organization of artists (such as a union) or (4) anyone who claims that he or she is (or would like to be) an artist. Problems exist with each of these possible definitions.

The arts as an occupation involve a situation that is unfamiliar to economists and creates significant difficulties in analysis. Typically, it is easy to draw the line between an individual's occupation and his or her recreation. Work is assumed to create disutility so that hours of work enter into utility functions with a negative sign. Workers are willing to engage in work only because it enables them to earn money that can be traded for goods and services that they value. We are used to dealing with analysis of work that is more or less onerous through the framework of compensating differentials. However, our toolkit is notoriously empty when it comes to analyzing activities that simultaneously make a positive contribution to utility and income. These are activities that some members of society engage in for compensation and call their occupation while at the same time other members of society undertake strictly for fun and call their recreation.

The list of such occupations is remarkably short. Primary among them are the arts.[1] The world is full of community theatres, church choirs, amateur orchestras and Sunday painters. In each case, individuals who earn their living in some nonartistic occupation engage in the artistic occupation for personal satisfaction without expectation of monetary reward. Yet the division between professional and avocational artists is neither exogenous nor immutable. Many hobbyists would opt for a career in the arts if they were convinced that they could meet their financial needs while engaging in an activity that they inherently find enjoyable.

This points out an important public policy consideration. If there exists a large pool of individuals who find the arts enjoyable but who are employed in other occupations because they cannot currently find employment in the arts that is sufficiently attractive financially, then the potential of the arts sector to absorb public funds is almost unbounded. Consider the effect of adopting a public policy of supplementing the incomes of artists so that they reach some type of parity with other workers. Almost by definition, such a policy could not impose a labor market test of who should be included as an artist. Yet, if it allows self-definition it runs the risk of being swamped by an avalanche of workers who without the program would opt for other, more lucrative, occupations but would be more than willing to engage in the enjoyable avocation of "creating art" should society guarantee the economic viability of this pursuit. One might think of the number of newly created professional football players who appeared on the scene when the NFL Players' Association went on strike during the fall of 1987. Surely the fact that these men desired to play football if given the chance does not imply that their occupation should be classified as "professional athlete" for analysis purposes.

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[1] Others might include sports, hunting and fishing, gardening and the ministry.

Where, then, should the line be drawn as to who is included in a sample of artists? Traditionally, U.S. labor force statistics rely on objective behaviors rather than self-reported intentions for classification purposes.[2] With respect to occupation, the most obvious objective criteria for classification would appear to be the job at which an individual works. It is this definition that is adopted in U.S. Government data collection efforts such as the decennial Census of the Population and the monthly Current Population Survey. The results reported below are derived from 1980 Census data. Thus, they classify a worker into an occupation on the basis of the job actually performed during a reference week in the spring of 1980. For those workers who earned income from more than one job during this week, the Bureau of the Census categorizes occupation according to the job on which they worked the largest number of hours during the reference week.

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[2] Thus, unemployment is measured by the taking of acts to look for work rather than by a stated desire to work if work were available.

Most of the studies reported in the first section of this paper do not adopt the Census method for classification of occupation. Instead, they typically identify an individual as an artist if that individual responds in some manner to a survey instrument that they are an artist. Frequently, an alternative (or additional) condition is also imposed that the individual has affiliated with some organization of others with a similar interest, such as a trade union in one of the arts. This difference in classification is responsible for much of the difference in findings between studies.

Those (such as the Filer papers) that adopt Census definitions can be expected to report higher incomes for artists from their art than those that also include a large number of workers who earn the bulk of their income from non-artistic sources and would, therefore, under the Census classification scheme be included in that other occupation. This can create a substantial effect. For example, the Labor Institute for Human Enrichment of the AFL-CIO reported that in 1980 fifty-four percent of Actors' Equity members who responded to their survey worked over half the year in non-acting jobs. Similar figures for singers were 66%, for musicians 68%, and for dancers 30%. Thus, it is clear that a high proportion of the members of these unions would not have been included in Census tallies as artists had they accurately answered the 1980 Census.[3] It should be noted that Census definition of occupation is based on hours not earnings. Moreover, the wording of the question suggests hours involved in the profession, not hours paid for. For example, it would appear that hours spent by actors in classes or attending auditions would be credited towards their acting professional activity.

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[3] It is unclear to what extent individuals who consider themselves to be artists respond to Census inquiries concerning occupation with their desired status rather than their accurate employment. It seems likely that misclassification of some-time artists is non-random under Census definitions and survey techniques. One suspects that a substantial number of would-be actors respond that this was the job or profession on which they spent the greatest number of hours during the reference week even though an accurate time-diary might reveal that they actually spent more total hours in some other occupation.

It is worth considering the impact of the Census classification scheme. Suppose that there is a group of individuals who work some of the time as artists and the remainder of the time in some other occupation. An example might be actors who devote all of their time to acting when cast in a play and wait on tables when not cast. In the Census reference week, some of these workers will be acting and some waiting on tables. Thus, some will be classified as actors and some as waiters. If the Census reference week is representative of the year as a whole, the size of these two occupations will be proportional to the fraction of the year that members of the group spend in each job. Thus, the result is not that they are excluded from the analysis of artists, but rather that they are included with a weight equal to the proportion of the year they spend producing art.

The situation is somewhat different with respect to individuals who spend part of each week producing art and another part working on another job. These individuals are either included in or excluded from the sample of artists according to which of these activities they devote the most time to during the reference week. Thus, a worker who spent 20 hours every week painting and 30 hours a week teaching would be classified as a teacher and never be included as a painter. Conversely, a worker who spent 20 hours every week in the classroom and 30 at her easel would always be a painter. For workers of this type (who spend part of each week on their art), Census definitions result in a bias towards including only those who achieve the most success in their art form as artists.[4]

This pattern is likely to be a particular problem if the career development of artists is such that they must devote a substantial period at the beginning of their working life to establishing themselves as artists. Thus, Census definitions may underrepresent young artists who are now working more that fifty percent of their time in a non-artistic occupation but who are in the process of establishing a reputation that will enable them in the future to practice as artists. This suggests that while observed employment rather than desire remains the most appropriate method of classifying a person's occupation, it may be reasonable in the case of artists to classify according to time devoted to the occupations over an individual's working life rather than in a single week. Unfortunately, it is impossible to perform this sort of classification using Census data.

Indication of the potential size of this problem can be obtained by analysis of the growth in the number of artists within a given cohort as it ages.[5] In 1970 there were 200,432 workers in the overall category "writers, artists, entertainers and athletes" between the ages of 25 and 34. By 1980 the number of workers between 35 and 44 in this category had grown to 248,313, an increase of 23.9 percent. While a number of factors should have contributed to this increase, a substantial part of it must be due to workers who in 1970 were still in the process of becoming established in the arts having done so by 1980 so that they were then classified as artists using the Census' employment-based definitions. This shift might result from either devoting a larger proportion of each week to art (so that it became the largest share of hours) or by working at art more weeks during the year (so that the probability of being in an "art" week during the Census reference week increased). Other factors that should have contributed to the increase in the number of workers in the arts in this cohort include an overall increase in the importance of the arts sector in the economy[6] as well as a secular increase in employment among all female members of the cohort over the decade.[7] This suggests that the growth rate of 23.9 percent is at best an upper bound on the number of workers in the cohort who might have been misclassified in the 1970 Census. Since few workers over the age of 35 in 1970 are likely to have become established as artists by 1980[8], the upper bound on the proportion of the total sample subject to misclassification on these grounds should be about half of the 23.9 percent figure. Given the other reasons for cohort growth suggested above, this suggests that a best estimate of the proportion of those who under a lifetime employment criteria would be classified as artists but who are missed due to Census's use of a single reference week is between 5 and 10 percent of the total number of artists. This would appear to be a significant but not overwhelming bias and surely not a reason to avoid using Census or CPS data.

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[4] Assuming, as seems reasonable, that the more successful an individual is as an artist, the more time he or she will be able to devote both financially and psychologically to producing art.

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[5] Contrary to popular impression, workers as a group do not "drop out" of the arts as they age. Rather, employment as artists among any cohort tends to increase as that cohort ages.

[6] Between 1970 and 1980 employment in the arts grew at an average annual rate of 4.22 percent while overall employment was growing at an annual rate of 2.36 percent.

On the other hand, it can be argued that Census definitions are too inclusive. The Census contains only very broad occupational classifications. Thus, ballet dancers and belly dancers are contained in the same occupational code. In using Census occupational definitions, many individuals who can only marginally be considered artists are included as such. Many of the studies that have reported economic hardship among artists have attempted to limit their samples to what the author(s) considered "serious" artists. It may be that although artists as defined by the Census are doing well financially, those who are committed to producing "serious art" still face economic hardship. The debate over where to draw the line between what is "art" and what merely "entertainment" is one that has vexed analysts for centuries and to which the empirical economist can add little in a world where each observer's tastes and preferences differ. However, the issue cannot simply be ignored. Perusal of the list of specific occupations included by the Census in each broad category of artists reveals many workers whose claim to producing "art" is, at best, tenuous. Among authors we find "Manual Writers" and "Verse Writers - Greeting Cards." Designers include "Window Decorators," "Orthopedic Designers," "Kitchen Designers," and "Corsage Makers." Indeed, by far the largest industry in terms of employment of workers considered by the Census to be designers is the retail florist industry. Census data includes "Necktie Painters" and "Catalogue Illustrators" among the broad category of painters and sculptors along with the more traditional "Landscape Painters" and "Sculptors,". Dancers, of course, include "Go-Go Girls," "Square Dance Callers," and "Strip Teasers" along with "Ballet Dancers" and "Choreographers."

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[7] One factor should have served to reduce cohort employment in the broad classification under study. In 1980 one might expect that a number of athletes aged 25 to 34 in 1970 had reached their early forties and were physically no longer able to work in athletics.

[8] There was almost no change between the number of artists 35-44 in 1970 and 45-54 in 1980.

Finally, although the catch-all category of artists not elsewhere classified includes serious artists such as "Puppeteers," it also encompasses "Astrologers," "Crossword-puzzle Makers," "Professional Sport Fishing Casters," "Snake Charmers," "Graphologists," "Freaks," and, in what may be the supreme irony, "Censors." Thus, it serves one well to bear in mind that any analysis of artists based on Census data is forced to adopt a very broad definition of the arts. It is doubtful whether public policy concern regarding the role and status of artists in American society extends to snake charmers and strip teasers.

Adjustments can be made to Census data to attempt to deal with the fact that it includes many nonartists along with those one would conventionally label as true artists. While we do not know exactly what each artist is doing on his or her job, information on industry of employment can be used to exclude those least likely to be serious artists by anyone's standards. Although it would be interesting to know what the author employed by the wholesale electrical goods industry or the actor working in the gas and steam supply systems industry are actually doing, one suspects that it is probably not producing great art. The possibilities are endless. Perhaps the musicians employed in the agricultural products, livestock industry are essential in producing contented cows. Could it be that the observation of a single dancer employed in executive and legislative offices enables the researcher to identify the Census record of Fanne Foxe?

Industry of employment was used to restrict observations to only those working in industries where it was likely that they were engaged in an activity closely related to the artistic endeavor suggested by their occupational classification. A list of the industries included for each occupation is contained in Table 1.[9] The exclusion of workers in artistic occupations not employed in these industries results in the number of artists identified in the 1980 Census[10] falling by approximately 43%, from 81,735 to 46,888. While these exclusions will not have omitted all non-serious artists (and will also probably have resulted in some serious artists being omitted from the sample)[11], it is certainly the case that a higher proportion of the restricted sample will be those whom we would conventionally consider true artists. In effect, the use of the exclusions serves to increase the weight of serious artists in determining mean income. If $\alpha$ equals the proportion of "true artists" in the broad Census occupational category and $\beta$ equals this proportion in the restricted set of occupations, then:

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[9] This list is admittedly arbitrary. It is based on the intuitions of the author after discussion with a number of academics and practicing artists. Marginal modifications to make the restrictions either more or less inclusive do not significantly alter the results found.

[10] All results reported in this paper are for the combined A, B and C samples and thus represent 7% of the entire U.S. workforce. The inclusion of the B and C samples may cause numerical results to differ slightly from those reported in Filer (1986) where only the A sample was used.

[11] One of the most questionable exclusions is the omission of the substantial number of musicians employed by religious organizations. This was done not on the grounds that many of these workers are not producing significant art, but rather because it is unclear how one should interpret income data for a group of religious, many of whom have taken vows of poverty.

$$w_u = \alpha w_A + (1 - \alpha)w_E$$

and

$$w_r = \beta w_A + (1 - \beta)w_E.$$

If (as we assume to be true) $\beta > \alpha$, then a finding that $w_r < w_u$ suggests that serious artists are paid less than others included in the broad Census categories.[12] Results will be presented in this report for both all artists according to Census definitions and the subset of artists employed in the restricted group of industries included in Table 1.

Even for studies that use Census data sources, the picture that emerges concerning the economic success of artists will differ widely depending on the year chosen. It is important to note that the Bureau of the Census substantially changed the composition of the artistic occupational categories between the 1970 and 1980 Censuses. In particular, in 1970 those artists who supervised other artists were included not among the arts occupations but rather in the category of "managers and administrators not elsewhere classified." This removes from the artistic category such workers as theater and film directors, choreographers, musical conductors and so forth. Since these workers are likely to be better paid than the remaining actors, dancers and musicians, studies using 1970 Census definitions will show a substantial downward bias in artists' incomes.[13]

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[12] The verb "suggests" is chosen because for one to be certain that this is the case it must also be known how mean wages within the two subgroups of serious artists and others change when the set of industry restrictions is imposed. Although this cannot be determined from the data available, intuition suggests that the industries included in the restricted set are likely to be lower paying on average than those excluded. Therefore, a finding that earnings do not fall when the restrictions are imposed is highly suggestive that the inclusion of workers other than serious artists is not responsible for the typically rosier economic picture found in Census data.

A final difference among the various studies of the economic status of artists lies in the measures of income used. It is generally asserted that artists' earnings are more highly skewed than those of other workers. Studies reporting economic hardship typically report median earnings while those finding a healthier situation use mean incomes. If a few very well paid artists significantly increase mean incomes above median ones, this could account for differences in results. However, evidence that the difference in skewness between incomes of artists and other workers is not especially large will be presented in Section X below.

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[13] The Bureau of the Census has accounted for these changes in definitions in the figures used to calculate the cohort growth rates presented above. It is, however, impossible to retrieve the "omitted" artists for the purposes of calculating comparable income figures. It is for this reason that this report focuses on 1979 earnings only and says nothing about the growth rate of artists' earnings in the period between 1970 and 1980 or changes in the relative position of artists over the decade. Without comparable definitions of the population under study, such comparisons are inherently meaningless and may be significantly misleading by presenting an upwardly biased measure of the improvement in artists' economic position that arises spuriously from the inclusion of more higher-income artists.

It is also the case, as will be seen below, that artists typically report fewer hours of work over the course of a year than other workers. This implies that differences between artists and other workers will appear larger if earnings are studied than they will if the focus is on wages.

The analyses presented in this report will use both mean and median labor income for 1979. Because of differences in hours worked, results will be reported both for all artists and for those who report having worked both full-time and for the full year during 1979.[14] Income is that reported from all labor sources, including (1) "wages, salary, commissions, bonuses or tips," (2) "own nonfarm business, partnership, or professional practice," and (3) "own farm." Using Census data there is no way to distinguish income earned from artistic endeavor from that earned in other, secondary, occupations. Thus, we focus on the total labor earnings of those who can be considered working artists under Census definitions while recognizing that a substantial part of those earnings may be derived from nonartistic activity.[15]

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[14] Full-time, full-year status is defined as having worker at least 40 weeks during the year and reporting working at least 32 hours during a "typical" week during 1979. It is not necessary that all of this work have been at artistic occupations.

As was argued in Filer (1986), there is significant reason to believe that reported earnings of artists may be biased downward to a greater extent than those of other workers. Among these reasons are the following:

1) Artists are significantly more likely to be self-employed than either the general population or other managerial, professional and technical workers. This may enable artists to "hide" a significant proportion of their personal expenses as professional costs including such items as rent on combined studio/living space or meals and laundry while on the road.

2) Among the self-employed, artists are likely to have invested less in physical capital than other workers such as doctors or dentists. Since self-employment incomes are typically overstated by these returns on physical capital, this suggests that there is a greater upward bias in incomes of non-artists than in those of artists.

3) Artists have a far greater opportunity than most workers to participate in the underground economy. For example, many sell their work on the street for cash. Others

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[15] Panasuk (1974) found that among Canadian artists approximately 80% of income was generated from their primary arts activity and much of the balance from related employment such as teaching of their art.

work for short periods for a number of different employers. It is not uncommon for musicians to play a large number of weddings and other engagements with little chance that their earnings will be formally reported by their employers. The effect of this ability to participate in the underground economy will be two-fold. Reported earnings for artists will be biased downward and, even if we were to know the true earnings of artists, in equilibrium we would expect these earnings to be lower than those for other workers by the amount of the taxes saved.

4) Finally, the data used in this report are for income from labor sources. Much income that artists derive from their art will not be reported in Census data as labor income. For example, composers' or authors' royalties and actors' residuals will be included in the category "interest, dividends, royalties and net rental income."

Many of the reasons presented in the previous paragraph have to do with incentives to underreport true income in order to minimize tax obligations. Thus, it is appropriate to question whether the income reported to the Census will be understated in a similar manner. It seems likely that this will be the case even though the Census is an entirely different data collection effort with no links to the income tax system. The primary reason for this assumption is not that artists suspect that their Census responses will be reported to the IRS, but rather arises naturally out of the manner in which the data is collected. For most workers, the only time they actually focus on their income from all sources is during the spring when income tax forms must be filled out. Due to the complexity of their financial affairs, many artists leave this task to accountants. The Census survey is taken at approximately the same time of year as income tax forms are filed. Thus, when asked for income data on the Census form it is logical to assume that respondents will refer back to readily available tax records rather than computing new, more accurate, amounts for the Census.

As a final note on the data used, it must be remembered that for confidentiality reasons the Bureau of the Census recodes all incomes for any given source in excess of $75,000 as $75,000. This will not affect median incomes but will bias downward reported mean incomes and wages unless adjustments are made for this truncation. The most common method of making such an adjustment is to fit a Pareto distribution to incomes below $75,000 and use the parameters from this distribution to impute a mean income for those in the over $75,000 category. Substitution of the imputed mean for the topcode will result in an unbiased estimate of mean income for the entire group.[16] In the analyses that follow this procedure has been followed for each type of income (wages, self-employment and farm) for each of the eleven different types of artists recognized by the Census.[17] When dealing with comparison groups of all workers and all managerial, professional and technical workers, means were imputed using the full sample rather than for each occupation individually.

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[16] It will, however, bias downward standard deviations and estimates of the degree of inequality in earnings.

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[17] Mean incomes for those in the top-coded group were imputed using data for the full sample of artists as defined by the Census rather than for those in the restricted set of industries discussed above. This should create a problem only if there are significant differences in incomes of those above the truncation point between these two sets of artists.

## Table 1

## INDUSTRIES INCLUDED IN RESTRICTED SET

| | |
|---|---|
| Actors and Directors | Radio and Television Broadcasting |
| | Eating and Drinking Places |
| | Advertising |
| | Theater and Motion Pictures |
| | Colleges and Universities |
| | Miscellaneous Entertainment and Recreation Services |
| Announcers | Radio and Television Broadcasting |
| | Theater and Motion Pictures |
| | Miscellaneous Entertainment and Recreation Services |
| Architects | Construction |
| | Real Estate |
| | Engineering, Architectural and Surveying Services |
| | Colleges and Universities |
| Authors | Printing, Publishing and Allied Trades, except newspapers |
| | Radio and Television Broadcasting |
| | Advertising |
| | Theaters and Motion Pictures |
| | Colleges and Universities |
| | Miscellaneous Professional and Related Services |
| Dancers and Choreographers | Eating and Drinking Places |
| | Hotels and Motels |
| | Theaters and Motion Pictures |
| | Miscellaneous Entertainment and Recreation Services |
| Designers | Yarn, Thread and Fabric Mills |
| | Apparel and Accessories |
| | Printing, Publishing and Allied Trades, except newspapers |
| | Furniture and Fixtures |
| | Glass and Glass Products |
| | Radio and Television Broadcasting |
| | Apparel, Fabrics and Notions, wholesale trade |
| | Advertising |
| | Theaters and Motion Pictures |
| | Miscellaneous Entertainment and Recreation Services |
| | Colleges and Universities |
| | Museums, Art Galleries and Zoos |

| | |
|---|---|
| Musicians and Composers | Radio and Television Broadcasting<br>Eating and Drinking Places<br>Hotels and Motels<br>Theaters and Motion Pictures<br>Educational Services, n.e.c.<br>Business Services n.e.c.<br>Printing, Publishing and Allied Trades, except newspapers<br>Miscellaneous Professional and Related Services |
| Painters and Sculptors | Newspaper Printing and Publishing<br>Printing, Publishing and Allied Trades, except newspapers<br>Advertising<br>Business Services n.e.c.<br>Theaters and Motion Pictures<br>Miscellaneous Entertainment and Recreation Services<br>Colleges and Universities<br>Museums, Art Galleries and Zoos<br>Miscellaneous Professional and Related Services |
| Photographers | Newspaper Printing and Publishing<br>Printing, Publishing and Allied Trades, except newspapers<br>Radio and Television Broadcasting<br>Business Services n.e.c.<br>Miscellaneous Personal Services<br>Theaters and Motion Pictures<br>Miscellaneous Entertainment and Recreation Services<br>Colleges and Universities<br>Museums, Art Galleries and Zoos |
| Post-Secondary Teachers | Colleges and Universities |
| Artists n.e.c. | Printing, Publishing and Allied Trades, except newspapers<br>Radio and Television Broadcasting<br>Eating and Drinking Places<br>Advertising<br>Hotels and Motels<br>Theaters and Motion Pictures<br>Miscellaneous Entertainment and Recreation Services<br>Colleges and Universities |

## SECTION III

## OVERALL RESULTS

This section compares earnings of various types of artists and artists as a whole with comparison groups of all workers and all managerial, professional and technicians. To compute earnings for these control groups, a random sample of workers in them equal in size to the number of artists in the combined A, B and C Public Use samples was drawn.

Table 2 compares mean and median incomes using the full sample of artists without restricting industry of employment. Table 3 presents the same information when artists are restricted to those working in the industries listed in Table 1. The first column of each table reports income for all members of the occupational group. The second column contains income for members of the group who work both full-time and for the full-year (defined as having worked at least 40 weeks and at least 32 hours in a typical week during 1979). The third and final column reports wages, calculated as labor income divided by the product of weeks worked and hours worked in a typical week.

No matter which definition of income is used, earnings of artists are actually higher if the sample is restricted to those industries where one would expect to find a greater proportion of traditional, serious artists. Mean annual earnings increase by 5.5%, mean earnings of full-time, full-year workers increase by 6% and mean wages increase by 12.6%. While not definitive, these results suggest that serious artists do not fare worse than more peripheral ones with respect to earnings.

Turning to specific types of artists, in only two cases did earnings change by more than ten percent when the set of industries was restricted to those most likely to contain serious artists. The income of musicians and composers increased by 13.8% while that of designers increased by 23.9%. The imposition of industry restrictions clearly had the most significant impact on designers, where the number in the category fell to only 15% of the number without these restrictions. Examination of the specific occupations included by the Census in this category reveals a large number of product designers who have little claim to being artists as that term is conventionally used. Reductions in sample size in other artistic occupations from the industry restrictions are far smaller, ranging from approximately 30% for architects and musicians to 10% for actors and announcers.[18]

Several important facts concerning incomes of artists are evident in Tables 2 and 3. Overall, artists earn slightly more on average than the general workforce. Including part-time workers, this difference was between 5 and 10 percent in 1979.[19] If analysis is restricted to full-time and full-year workers, the premium earned by artists increases to between 10 and 15 percent.[20] It must be remembered that these figures are not standardized for characteristics of the workers. In particular, artists are substantially more educated and substantially younger than the general workforce. The first of these factors should lead artists to have higher earnings than the laborforce as a whole while the second works in the opposite direction.

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[18] The smallest reduction was in post-secondary teachers of art, music and drama where, as would be expected, 95% of the unrestricted sample were employed in higher education. One wonders what industry could legitimately employ the remaining workers in this occupational classification.

The economic condition of artists appears less favorable when compared with managerial, professional and technical workers. Here, all artists earn an average of between 70 and 75 percent of the comparison group mean. Full-time, full-year artists do somewhat better, earning between 80 and 85 percent of what full-time, full-year managers, professionals and technical workers earn. Once again these figures are not standardized, although in this case the educational difference between artists and the comparison group is much less and the age difference greater than when comparisons are made the laborforce as a whole. Thus, standardization for differences in these characteristics should substantially improve the apparent relative economic position of artists.

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[19] With the industry restrictions, mean earnings for artists were $13,322 as compared with $11,959 for all workers. It is important to remember that these figures are in 1979 dollars. Adjustment for inflation would increase them substantially for later years.

[20] For the restricted set of industries the raw numbers were $19,307 for artists and $16,505 for all workers.

There is almost no difference in the relative position of artists viz a viz the two control groups if comparisons are based on median rather than mean incomes as long as the analysis is restricted to full-time, full-year workers. If part-time workers are also included in the analysis, the effect is to reduce the median income of artists more than that of the comparison groups, thereby lowering the apparent relative position of artists. This occurs because, as will be seen in the next section, the proportion of artists who work less than full-time or for less than the full year is substantially greater than for the general workforce or the group of managers, professionals and technical workers.

Examining specific types of artists, it is clear that architects are by far the best paid group of artists, with an income almost twice that of all artists and a third more than all managers, professional and technicians. The second best paid group of artists, contrary to popular stereotypes, are actors and directors. Their average earnings of $18,433 are over a third more than artists as a whole and approximately equal to those of managers, professionals and technicians. The most poorly paid groups of artists are dancers, musicians and composers, and painters and sculptors. In part this is due to the unusually large number of part-time workers in these groups. They also showed the largest improvement in their relative positions when the analysis was restricted to full-time, full-year workers.

Comparison of wage rates sheds considerable light on the economic position of artists. Here they earn more on average than managers, professionals and technicians. Since wages are constructed as the ratio of earnings to hours worked, this indicates that artists worked substantially less during 1979 than other workers. The issue of whether this resulted from voluntary choices on the part of artists or was due to involuntary unemployment will be discussed in the next section.

Overall, although artists do earn somewhat less than others with high prestige occupations, given their young age distribution (see Filer, 1986 for documentation of this difference), the penalty of between 15 and 20 percent is surprisingly small in light of the common preconception regarding the economic viability of the profession. We now turn to a discussion of the differences between artists and other workers in hours of work.

## Table 2

## INCOME AVERAGES FOR ARTISTS, 1979
(With No Industry Restrictions)

| Type of Artist (Sample Size) | 1979 Earnings | 1979 Earnings Full-Year Only | 1979 Wages |
|---|---|---|---|
| | Mean<br>(s.d.)<br>Median | Mean<br>(s.d.)<br>Median | Mean<br>(s.d.)<br>Median |
| Actors and Directors<br>(5,160) | $18,327<br>(25,372)<br>$11,030 | $24,737<br>(26,281)<br>$17,035 | $22.85<br>(127.44)<br>$ 7.63 |
| Announcers<br>(3,351) | $11,442<br>(16,175)<br>$ 7,655 | $16,701<br>(17,611)<br>$12,005 | $ 8.23<br>(24.18)<br>$ 4.62 |
| Architects<br>(7,986) | $21,744<br>(19,960)<br>$18,010 | $25,719<br>(20,416)<br>$21,005 | $11.90<br>(24.22)<br>$ 8.49 |
| Authors<br>(3,344) | $13,220<br>(21,183)<br>$ 6,790 | $19,290<br>(25,321)<br>$13,005 | $11.90<br>(50.40)<br>$ 5.61 |
| Dancers<br>(1,056) | $ 7,035<br>(8,605)<br>$ 4,860 | $12,130<br>(11,195)<br>$ 9,550 | $ 8.48<br>(18.72)<br>$ 4.52 |
| Designers<br>(25,385) | $12,578<br>(12,620)<br>$ 9,935 | $17,217<br>(12,887)<br>$15,005 | $ 8.43<br>(35.57)<br>$ 5.77 |
| Musicians and Composers<br>(10,839) | $ 8,291<br>(12,838)<br>$ 5,005 | $15,195<br>(17,094)<br>$11,213 | $12.85<br>(110.14)<br>$ 6.16 |
| Painters and Sculptors<br>(11,380) | $10,192<br>(11,260)<br>$ 8,005 | $14,606<br>(12,257)<br>$12,005 | $ 7.56<br>(22.01)<br>$ 5.13 |
| Photographers<br>(7,190) | $11,456<br>(12,561)<br>$ 9,005 | $15,464<br>(12,870)<br>$13,005 | $ 8.57<br>(36.42)<br>$ 5.29 |

| | | | |
|---|---|---|---|
| Post-Secondary Art, Drama and Music Teachers<br>(2,129) | $12,286<br>(9,689)<br>$11,005 | $18,860<br>(8,902)<br>$18,010 | $10.37<br>(16.52)<br>$ 8.14 |
| Artists n.e.c.<br>(3,915) | $10,119<br>(14,261)<br>$ 6,350 | $15,583<br>(16,759)<br>$12,005 | $ 9.90<br>(39.60)<br>$ 5.15 |
| All Artists<br>(81,735) | $12,620<br>(15,460)<br>$ 9,005 | $18,216<br>(16,660)<br>$15,005 | $10.41<br>(59.13)<br>$ 6.01 |
| All Workers | $11,959<br>(13,338)<br>$ 9,055 | $16,505<br>(14,524)<br>$13,505 | $ 8.45<br>(232.55)<br>$ 5.29 |
| All Managerial, Prof. and Tech. Workers | $18,078<br>(18,715)<br>$14,410 | $22,688<br>(20,083)<br>$18,005 | $10.59<br>(28.03)<br>$ 7.69 |

### Table 3

### INCOME AVERAGES FOR ARTISTS, 1979
(With Industry Restrictions)

| Type of Artist (Sample Size) | 1979 Earnings<br>Mean<br>(s.d.)<br>Median | 1979 Earnings Full-Year Only<br>Mean<br>(s.d.)<br>Median | 1979 Wages<br>Mean<br>(s.d.)<br>Median |
|---|---|---|---|
| Actors and Directors<br>(4,700) | $18,433<br>(26,009)<br>$11,005 | $24,896<br>(27,213)<br>$16,995 | $23.80<br>(133.01)<br>$ 7.55 |
| Announcers<br>(2,988) | $11,714<br>(16,305)<br>$ 8,005 | $16,959<br>(18,058)<br>$12,005 | $ 7.84<br>(16.90)<br>$ 4.66 |
| Architects<br>(5,481) | $24,072<br>(21,481)<br>$20,005 | $27,215<br>(21,751)<br>$22,005 | $12.48<br>(19.11)<br>$ 9.47 |
| Authors<br>(2,853) | $12,835<br>(21,973)<br>$ 6,005 | $19,030<br>(27,097)<br>$12,005 | $11.63<br>(50.46)<br>$ 5.05 |
| Dancers<br>(987) | $ 7,014<br>(8,577)<br>$ 5,005 | $11,989<br>(11,191)<br>$ 9,600 | $ 8.49<br>(19.16)<br>$ 4.56 |
| Designers<br>(3,801) | $15,586<br>(14,974)<br>$12,505 | $19,525<br>(15,587)<br>$16,005 | $ 9.70<br>(15.57)<br>$ 6.98 |
| Musicians and Composers<br>(7,640) | $ 9,439<br>(14,235)<br>$ 5,950 | $15,774<br>(18,788)<br>$10,735 | $14.39<br>(130.57)<br>$ 6.49 |
| Painters and Sculptors<br>(8,127) | $ 9,853<br>(11,914)<br>$ 7,005 | $14,453<br>(13,559)<br>$11,510 | $ 7.76<br>(25.14)<br>$ 4.97 |
| Photographers<br>(5,778) | $11,192<br>(13,161)<br>$ 8,285 | $15,236<br>(13,777)<br>$12,255 | $ 8.15<br>(29.88)<br>$ 5.00 |

| | | | |
|---|---|---|---|
| Post-Secondary Art, Drama and Music Teachers (2,017) | $12,384<br>(9,807)<br>$11,005 | $19,158<br>(8,961)<br>$18,255 | $10.52<br>(16.92)<br>$ 8.24 |
| Artists n.e.c. (2,516) | $10,526<br>(14,837)<br>$ 7,005 | $15,662<br>(17,111)<br>$12,005 | $10.35<br>(44.06)<br>$ 5.35 |
| All Artists (46,888) | $13,322<br>(17,468)<br>$ 9,005 | $19,307<br>(19,444)<br>$15,005 | $11.72<br>(71.77)<br>$ 6.25 |
| All Workers | $11,959<br>(13,338)<br>$ 9,055 | $16,505<br>(14,524)<br>$13,505 | $ 8.45<br>(232.55)<br>$ 5.29 |
| All Managerial, Prof. and Tech. Workers | $18,078<br>(18,715)<br>$14,410 | $22,688<br>(20,083)<br>$18,005 | $10.59<br>(28.03)<br>$ 7.69 |

# SECTION IV

## HOURS AND WEEKS OF WORK

The fact that artists' wages are actually higher than those for professional workers points out that a main reason for differences in earnings between these groups is the fact that artists worked considerably fewer hours during 1979 than other workers. Multiplying reported weeks worked in 1979 by the reported number of hours worked in a typical week that year indicates that artists worked an average of 1550 hours while the average worker labored 1678 hours and the typical manager, professional or technician worked 1861 hours.

Table 4 (without the industry restrictions) and Table 5 (with these restrictions) present figures for mean hours worked per week and weeks worked during 1979 for various types of artists by gender as well as the proportion of each type who did not work both full-time and full-year during 1979. It is clear that artists as a group worked both fewer hours per week and fewer weeks per year on average than other workers. This difference is particularly striking with respect to musicians, the artistic group that consistently exhibits the poorest earnings performance. This suggests (although it cannot be confirmed from the current data) that many musicians may be students or others who earn income a few nights a week by playing at dances or other functions. Comparison of Tables 4 and 5 reveals that the imposition of the industry restrictions designed to increase the proportion of "serious" artists in the sample does not have an impact on reported hours or weeks of work.

Further information regarding the employment status of artists can be seen in Tables 6 and 7.[21] Table 6 shows the proportion of the workforce that worked both full-time and for the full year as well as the proportion that did not meet this criterion for various subgroups of the workforce. The non full-time, full-year group may have worked part-time, for only part of the year, or both. Once again, it is clear that artists are significantly less likely to be both full-time and full-year workers than either the general workforce or the subgroup of managers, professionals and technicians. More than half of all artists did not work both full-time and for the full year in 1979. Two other characteristics of the artistic labor force are worth noting in passing. Artists are differentially likely to be male (67% as compared with 58% for managers, professionals and technicians) and single (36% as compared with 21% for the reference group).

Table 7 shows mean hours and weeks worked by both full and part-time workers by sex and marital status. It reveals that this differential in the likelihood of full-time status accounts for almost all of the lower annual hours of work of artists. Among both full-time and part-time workers (and even within marital and gender subgroupings), there are only small differences in either the mean number of weeks worked in 1979 or the mean number of hours worked in a typical week between artists and members of the control groups.

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[21] Information on artists in these tables is presented for only those artists who worked in the restricted set of industries. As was seen in the comparison of Tables 4 and 5, the imposition of industry restrictions does not significantly alter hours and weeks worked figures.

What is left for further research (using other than Census data) is a resolution of the causes of this observed differential. An obvious possibility is the existence of either unemployment or underemployment among artists, so that workers who desire to work more hours per week or more weeks during the year are unable to find additional employment. The question then becomes why, given that wages for artists who do work compare favorably with those of comparable workers (especially after considering the inherent attractiveness of a career in the arts), don't wages fall sufficiently to induce added employment opportunities? While strong unions may create wage rigidities in a few specific situations, it is unlikely that they have sufficient power to prevent market clearing adjustments in wages throughout the arts sector.

Thus, the reason for lower work attachment among artists must be consistent with a labor market equilibrium. One possibility is systematic biases in the reporting of hours or weeks of work for artists. It may be that the creative process requires periods of study, introspection or other forms of "input" that are not thought of by Census respondents as "working time" but that should properly be included as a necessary part of the work lives of artists. A second possibility arises from the fact that the artistic labor force is differentially composed of demographic groups who exhibit lower levels of attachment to the labor market no matter what their occupation. Artists tend to be young and single. Such workers typically exhibit a pattern of intermittent or part-time attachment to the labor force as they adjust around schooling and other activities. Thus, it should not be surprising that artists as a group also have more erratic work schedules.

Further insight into the process at work can be gained from an examination of the patterns of those artists who do not work both full-time and for the full year. Table 7 shows that no matter what their sex or marital status such artists worked an almost identical number of weeks during 1979 as similar managerial, professional and technical workers.[22] However, part-time artists did work somewhat fewer hours per week on average. Since unemployment in the U.S. typically assumes the form of spells of weeks with zero hours rather than short-time weeks, this pattern appears somewhat more consistent with supply driven explanations.

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[22] Thus, the lower number of weeks reported in Tables 4 and 5 arises because the distribution of artists across marital statuses differs from that of other workers. In particular, artists are more likely to be single and single workers always work less than those with more commitments.

Table 4

## HOURS AND WEEKS WORKED IN 1979
(Without Industry Restrictions)

| | Mean Hours | | Mean Weeks | | Percent Less Than Full-Time and Full-Year | |
|---|---|---|---|---|---|---|
| | Males | Females | Males | Females | Males | Females |
| Actors and Directors | 40.9 | 35.3 | 40.0 | 33.8 | 45 | 65 |
| Announcers | 36.6 | 32.5 | 43.1 | 40.5 | 46 | 56 |
| Architects | 42.1 | 36.8 | 47.0 | 41.5 | 22 | 47 |
| Authors | 39.1 | 32.0 | 43.0 | 38.9 | 47 | 67 |
| Dancers and Choreographers | 32.3 | 32.3 | 35.3 | 34.3 | 72 | 77 |
| Designers | 41.3 | 33.9 | 46.9 | 39.6 | 22 | 56 |
| Musicians and Composers | 30.0 | 20.3 | 37.4 | 36.2 | 75 | 89 |
| Painters and Sculptors | 39.4 | 33.1 | 44.3 | 39.5 | 36 | 60 |
| Photographers | 40.3 | 33.7 | 44.3 | 36.5 | 36 | 63 |
| Post-Secondary Teachers | 37.4 | 28.0 | 42.4 | 37.3 | 56 | 80 |
| Artists n.e.c. | 38.7 | 31.3 | 40.1 | 36.6 | 54 | 70 |
| All Workers | 41.2 | 34.1 | 44.6 | 38.8 | 32 | 52 |
| All Managerial, Prof. & Tech. Workers | 42.7 | 36.3 | 47.3 | 42.0 | 22 | 50 |

Table 5

## HOURS AND WEEKS WORKED IN 1979
(With Industry Restrictions)

| | Mean Hours | | Mean Weeks | | Percent Less Than Full-Time and Full-Year | |
|---|---|---|---|---|---|---|
| | Males | Females | Males | Females | Males | Females |
| Actors and Directors | 40.8 | 35.6 | 39.5 | 33.5 | 47 | 66 |
| Announcers | 36.9 | 32.9 | 43.6 | 41.2 | 44 | 55 |
| Architects | 42.5 | 38.0 | 48.2 | 42.2 | 17 | 44 |
| Authors | 39.0 | 31.5 | 42.5 | 38.7 | 50 | 70 |
| Dancers and Choreographers | 32.2 | 32.4 | 35.3 | 34.2 | 72 | 77 |
| Designers | 41.0 | 37.5 | 46.2 | 42.0 | 26 | 44 |
| Musicians and Composers | 30.0 | 25.5 | 36.7 | 33.6 | 78 | 86 |
| Painters and Sculptors | 39.6 | 32.3 | 43.8 | 39.1 | 39 | 63 |
| Photographers | 40.5 | 33.7 | 44.0 | 36.6 | 38 | 64 |
| Post-Secondary Teachers | 37.3 | 27.5 | 42.5 | 37.0 | 56 | 81 |
| Artists n.e.c. | 38.2 | 34.0 | 39.4 | 35.7 | 58 | 70 |
| All Workers | 41.2 | 34.1 | 44.6 | 38.8 | 32 | 52 |
| All Managerial, Prof. & Tech. Workers | 42.7 | 36.3 | 47.3 | 42.0 | 22 | 50 |

## Table 6

## PROPORTION OF WORKFORCE WORKING FULL AND PART TIME BY SEX AND MARITAL STATUS

| | Artists | Managerial, Prof. & Tech. | All Workers |
|---|---|---|---|
| **Full-Time, Full-Year Workers** | | | |
| Males | | | |
| Married | 24% | 36% | 29% |
| Divorced | 4% | 3% | 3% |
| Single | 9% | 6% | 6% |
| Females | | | |
| Married | 5% | 12% | 11% |
| Divorced | 2% | 4% | 5% |
| Single | 4% | 5% | 4% |
| **Part-Time or Part-Year Workers** | | | |
| Males | | | |
| Married | 11% | 7% | 8% |
| Divorced | 4% | 1% | 1% |
| Single | 15% | 5% | 9% |
| Females | | | |
| Married | 11% | 13% | 13% |
| Divorced | 3% | 3% | 3% |
| Single | 8% | 5% | 7% |

The category "Divorced" also includes separated and widowed workers. Total may not add to 100% due to rounding.

Table 7

MEAN WEEKLY HOURS AND WEEKS WORKED, 1979
By Employment Status, Sex and Marital Status

| | Artists | | Managers, Professionals and Technical Workers | | All Workers | |
|---|---|---|---|---|---|---|
| | Hours | Weeks | Hours | Weeks | Hours | Weeks |
| Full-Time, Full-Year Workers | 44.27 | 51.37 | 43.99 | 51.58 | 43.31 | 51.54 |
| Males | | | | | | |
| Married | 45.15 | 51.47 | 45.39 | 51.65 | 44.94 | 51.54 |
| Divorced | 45.11 | 51.47 | 44.70 | 51.60 | 44.09 | 51.50 |
| Single | 43.68 | 51.27 | 44.08 | 51.49 | 43.25 | 51.35 |
| Females | | | | | | |
| Married | 42.43 | 51.28 | 41.28 | 51.49 | 40.76 | 51.43 |
| Divorced | 43.26 | 51.20 | 41.84 | 51.53 | 41.14 | 51.44 |
| Single | 42.57 | 51.17 | 41.55 | 51.46 | 40.64 | 51.43 |
| Part-Time or Part-Year Workers | 28.92 | 31.24 | 32.40 | 32.46 | 31.25 | 29.72 |
| Males | | | | | | |
| Married | 30.39 | 34.84 | 34.93 | 34.83 | 35.76 | 33.25 |
| Divorced | 30.59 | 33.33 | 31.58 | 33.38 | 35.66 | 30.73 |
| Single | 29.65 | 29.14 | 34.06 | 28.89 | 32.09 | 26.78 |
| Females | | | | | | |
| Married | 25.25 | 31.13 | 30.52 | 32.85 | 29.50 | 30.64 |
| Divorced | 28.43 | 31.02 | 32.12 | 33.43 | 30.27 | 31.61 |
| Single | 29.85 | 29.18 | 31.84 | 30.74 | 29.73 | 26.78 |

*The category "Divorced" also includes widowed and separated individuals.

# SECTION V

## RESULTS FOR GEOGRAPHIC AREAS

Tables 8 through 13 present annual earnings figures for artists broken down by geographic areas. Since they are based on annual earnings, differences between results for artists and those for the two comparison groups of all workers and all managers, professionals and technical workers combine differences in compensation per unit of time worked (wages) and differences in time worked (hours and weeks). Thus, to the extent that differences in labor force attachment between artists and other workers represent voluntary decisions on the part of artists, these figures (and those presented in subsequent sections of this report) represent an upper bound on possible economic disadvantages faced by creative workers.

Each table is divided into two sections. The first part (Table 8a, for example) presents mean income figures. The second part (Table 8b) presents median income figures. Each entry in each table contains two dollar figures. The one on the first line is for all workers in the category who had 1979 income while the one on the bottom line contains the figure for those workers who worked both full-time and for the full-year during 1979. In every case, if the number of workers in any cell is less than 25, the sample was judged to be too small to calculate meaningful measures of central tendency and no results are reported. This is indicated in the tables by a double asterisk.

The tables in this section (as in much of the rest of the report) are presented in pairs. The first in each pair presents results for the full set of artists as defined by the Census. The second contains the results when artists are restricted to those working in the industries that it was argued above are likely to contain the greatest proportion of serious members of the profession. Thus, Table 8 presents results for the full set of artists and Table 9 for the group of artists working in the restricted set of industries.

Tables 8 and 9 show earnings of artists broken down by region. Tables 10 and 11 present results for those states that contained at least 250 artists in the combined A, B and C Public Use samples from the 1980 Census. Finally, Tables 12 and 13 show earnings of artists for the cities (defined as Standard Metropolitan Statistical Areas) where at least 250 artists were identified in the combined Public Use samples.

Looking first at regional differences in artists' earnings, the relative performance of artists differs only moderately across the various regions of the country. Their mean earnings (using the restricted set of industries) vary from 77% of those of all managers, professionals and technical workers in the Mountain States to 93% of those of this comparison group on the Pacific Coast. In general, this earnings ratio falls in a narrow range between 80 and 85% no matter what the region of the country.

The only two regions where relative earnings of artists exceed 85% of those of all managers, professionals and technical workers are the Middle Atlantic (86%) and Pacific Coast (93%) regions. Examination of the earnings of specific types of artists reveals that the strong performance of artists in these two regions is in large part due to the exceptionally high incomes of actors and directors there. While in the remainder of the country actors and directors earn less on average than the comparison group consisting of all managers, professionals and technical workers, in these two regions actors' and directors' earnings are significantly above those of the comparison group. Using data from those employed in the restricted set of industries, mean earnings of actors and directors are 19% higher than those of other managers, professionals and technical workers in the Middle Atlantic region and a whopping 42% higher on the Pacific Coast. It is clear that well-paying jobs on Broadway and in Hollywood have resulted in actors doing very well in these two regions. It is even the case that median incomes for actors and directors exceed median incomes for the comparison group in both regions.

While it is true that artists as a whole appear to do relatively better on the east and west coasts of the U.S.

than they do in the nation's midsection, this pattern is by no means universal among the various types of artists. Architects, for example, have the highest relative earnings in the East and West South Central regions (perhaps reflecting the building boom in the oil patch during the late 1970s). Their poorest relative performance came in the New England, Mountain and Pacific Coast regions. Table 14 indicates the regions where each type of artist had both the highest and lowest earnings relative to other managers, professionals and technicians in 1979. The figure in parentheses following each region is the ratio of mean earnings of full-time, full-year artists to those of full-time, full-year managers, professionals and technicians. The diversity in the regions where artists do either well or poorly can easily be seen in this table. In all regions except the East North Central States at least two types of artists do relatively well in comparison to other workers. Similarly, at least two groups of artists do poorly in all regions except the Middle Atlantic and South Atlantic states.

Examination of the earnings of artists in those states and cities where there were a sufficient number of artists to make meaningful calculations of means and medians possible confirms the overall pattern seen in the regional data. Table 15 contains the ratios of mean earnings of full-time, full-year artists to those of full-time, full-year managers, professionals and technical workers for the twenty-four states and thirty-two cities where there were at least 250 artists identified in the 1980 Census Public Use samples.

Perhaps the most surprising finding seen in Table 15 is the relatively strong performance of artists in the southern states. Seven of the fourteen states where artists had the highest incomes relative to all managers, professionals and technicians are among the eleven former Confederate States.

Table 8a

## Mean Earnings of Artists by Division
(With No Industry Restrictions)

Mean Earnings, 1979
Mean Earnings of Full-time, Full-Year Workers, 1979

| | New England | Mid Atlantic | East North Central | West North Central | South Atlantic | East South Central | West South Central | Mountain States | Pacific Coast |
|---|---|---|---|---|---|---|---|---|---|
| Actors and Directors | $15,590<br>21,626 | $18,827<br>28,150 | $12,650<br>18,959 | $11,494<br>15,164 | $14,819<br>19,898 | $12,413<br>15,868 | $12,482<br>16,516 | $11,495<br>17,264 | $24,152<br>33,733 |
| Announcers | 13,195<br>18,938 | 12,643<br>17,124 | 12,291<br>17,271 | 10,374<br>16,746 | 10,801<br>16,057 | 7,301<br>11,497 | 9,597<br>14,685 | 9,948<br>13,755 | 15,908<br>21,885 |
| Architects | 18,780<br>23,308 | 20,877<br>25,398 | 22,687<br>26,685 | 22,330<br>25,328 | 21,005<br>24,402 | 20,332<br>24,324 | 23,449<br>27,316 | 20,342<br>23,631 | 22,820<br>27,061 |
| Authors | 13,537<br>22,460 | 14,149<br>19,852 | 9,727<br>14,379 | 9,933<br>12,112 | 12,976<br>18,226 | 12,022<br>** | 10,295<br>16,576 | 9,904<br>15,091 | 15,199<br>22,230 |
| Dancers and Choreographers | 5,141<br>** | 8,819<br>16,197 | 5,622<br>8,295 | 5,535<br>** | 6,157<br>9,944 | 5,043<br>** | 5,496<br>7,523 | 10,062<br>** | 6,853<br>15,470 |
| Designers | 13,443<br>17,972 | 15,513<br>19,752 | 13,379<br>18,662 | 9,355<br>14,037 | 10,936<br>15,115 | 9,630<br>13,512 | 10,153<br>14,523 | 10,801<br>14,800 | 12,804<br>17,578 |
| Musicians and Composers | 6,221<br>11,536 | 9,463<br>17,119 | 6,763<br>14,039 | 6,687<br>14,944 | 7,299<br>12,540 | 8,780<br>15,140 | 8,057<br>15,198 | 8,821<br>15,626 | 9,849<br>17,289 |
| Painters and Sculptors | 10,246<br>15,160 | 11,116<br>15,434 | 10,999<br>15,525 | 9,768<br>14,015 | 9,322<br>13,625 | 9,478<br>14,386 | 9,457<br>13,487 | 8,899<br>12,916 | 10,105<br>14,571 |
| Photographers | 10,686<br>14,355 | 12,671<br>17,007 | 11,608<br>15,727 | 11,009<br>14,779 | 11,075<br>14,798 | 10,011<br>13,231 | 10,523<br>14,363 | 9,330<br>12,810 | 12,515<br>17,262 |
| Post-secondary Teachers | 11,916<br>18,657 | 13,439<br>19,565 | 12,253<br>18,179 | 10,683<br>16,056 | 12,092<br>18,218 | 10,691<br>16,400 | 13,680<br>20,308 | 12,325<br>19,746 | 12,126<br>20,311 |
| Artists n.e.c. | 8,818<br>15,012 | 10,598<br>16,110 | 9,185<br>14,326 | 7,147<br>11,320 | 9,266<br>14,246 | 7,121<br>12,001 | 10,147<br>15,532 | 10,003<br>14,835 | 12,888<br>19,525 |
| All Artists | 12,121<br>17,948 | 14,033<br>19,677 | 12,400<br>18,387 | 10,588<br>16,133 | 11,427<br>16,548 | 10,243<br>15,109 | 11,479<br>16,858 | 11,212<br>16,152 | 14,360<br>20,502 |
| All Workers | 11,467<br>16,192 | 12,666<br>17,262 | 12,476<br>17,492 | 10,684<br>15,061 | 11,073<br>14,945 | 10,504<br>14,335 | 11,544<br>15,806 | 11,771<br>16,679 | 12,905<br>17,755 |
| All Managerial Prof. & Tech. | 17,810<br>22,412 | 19,207<br>23,862 | 18,758<br>23,448 | 15,949<br>20,382 | 16,911<br>20,930 | 15,752<br>19,964 | 17,589<br>21,875 | 16,753<br>21,135 | 19,456<br>24,287 |

## Table 8b

## Median Earnings of Artists by Division
(With No Industry Restrictions)

Median Earnings, 1979
Median Earnings of Full-time, Full-Year Workers, 1979

| | New England | Mid Atlantic | East North Central | West North Central | South Atlantic | East South Central | West South Central | Mountain States | Pacific Coast |
|---|---|---|---|---|---|---|---|---|---|
| Actors and Directors | $12,005<br>15,005 | $11,735<br>20,005 | $10,005<br>15,005 | $9,705<br>14,005 | $11,005<br>16,345 | $10,200<br>15,005 | $10,005<br>13,340 | $9,505<br>13,005 | $12,005<br>20,530 |
| Announcers | 8,240<br>10,715 | 7,505<br>12,005 | 8,830<br>12,535 | 6,805<br>11,638 | 7,205<br>12,005 | 6,005<br>9,505 | 7,005<br>11,505 | 7,855<br>10,865 | 10,005<br>15,005 |
| Architects | 16,005<br>20,005 | 18,195<br>22,005 | 18,908<br>22,005 | 18,715<br>20,755 | 18,005<br>20,005 | 16,005<br>19,005 | 18,205<br>20,005 | 16,010<br>19,900 | 19,270<br>22,005 |
| Authors | 5,250<br>10,005 | 8,005<br>13,505 | 5,505<br>12,405 | 6,308<br>10,005 | 7,735<br>14,005 | 6,010<br>** | 5,803<br>14,005 | 5,993<br>9,910 | 7,505<br>14,005 |
| Dancers and Choreographers | 3,005<br>** | 6,005<br>11,615 | 3,605<br>7,005 | 2,930<br>** | 4,505<br>9,505 | 4,005<br>** | 4,005<br>6,155 | 8,005<br>** | 4,005<br>9,945 |
| Designers | 11,005<br>16,005 | 13,005<br>17,120 | 10,515<br>17,005 | 6,765<br>12,315 | 8,060<br>12,505 | 6,590<br>11,005 | 7,148<br>12,005 | 7,805<br>13,005 | 10,005<br>15,505 |
| Musicians and Composers | 3,805<br>9,505 | 5,255<br>12,005 | 3,725<br>11,675 | 4,005<br>11,505 | 4,510<br>11,005 | 5,505<br>11,505 | 4,895<br>10,860 | 5,205<br>13,005 | 5,463<br>10,005 |
| Painters and Sculptors | 6,705<br>11,765 | 8,755<br>13,005 | 9,005<br>12,968 | 8,005<br>12,005 | 7,805<br>12,005 | 7,005<br>10,555 | 7,805<br>12,005 | 6,005<br>10,005 | 7,493<br>12,505 |
| Photographers | 9,505<br>13,005 | 10,005<br>14,905 | 10,005<br>14,005 | 9,005<br>12,495 | 9,505<br>12,575 | 8,005<br>12,300 | 7,805<br>11,158 | 7,255<br>12,005 | 9,305<br>14,708 |
| Post-secondary Teachers | 11,905<br>18,015 | 12,670<br>18,005 | 10,560<br>18,005 | 9,975<br>15,795 | 11,005<br>18,005 | 11,705<br>17,935 | 13,835<br>20,005 | 10,005<br>18,505 | 9,795<br>20,010 |
| Artists n.e.c. | 5,205<br>9,755 | 7,205<br>13,005 | 6,005<br>12,005 | 5,005<br>10,005 | 6,005<br>10,005 | 4,805<br>10,005 | 7,505<br>12,505 | 6,695<br>11,255 | 7,555<br>15,005 |
| All Artists | 8,505<br>15,005 | 10,005<br>16,005 | 9,005<br>15,705 | 7,505<br>13,335 | 8,105<br>13,385 | 7,005<br>12,005 | 8,005<br>13,005 | 7,960<br>13,455 | 9,505<br>16,005 |
| All Workers | 9,005<br>13,005 | 10,005<br>14,045 | 10,005<br>15,005 | 8,005<br>12,005 | 8,405<br>12,005 | 7,975<br>11,103 | 8,845<br>13,005 | 9,005<br>14,005 | 10,005<br>14,868 |
| All Managerial Prof. & Tech. | 14,505<br>17,915 | 15,165<br>19,005 | 15,005<br>18,855 | 12,905<br>16,005 | 13,005<br>16,150 | 12,305<br>15,575 | 13,475<br>17,005 | 14,005<br>17,490 | 16,005<br>20,005 |

## Table 9a

### Mean Earnings of Artists by Census Region With Industry Restrictions

Mean Earnings, 1979
Mean Earnings of Full-Time, Full-Year Workers, 1979

| | New England | Mid Atlantic | East North Central | West North Central | South Atlantic | East South Central | West South Central | Mountain States | Pacific Coast |
|---|---|---|---|---|---|---|---|---|---|
| Actors and Directors | $14,758<br>20,272 | $18,994<br>28,342 | $12,309<br>18,556 | $10,957<br>14,642 | $13,594<br>18,518 | $12,283<br>15,498 | $12,585<br>16,376 | $10,816<br>16,095 | $24,459<br>34,528 |
| Announcers | 14,231<br>19,252 | 12,977<br>17,974 | 12,434<br>17,497 | 10,866<br>16,899 | 11,066<br>16,029 | 7,283<br>11,362 | 9,594<br>14,923 | 10,151<br>13,876 | 16,614<br>22,525 |
| Architects | 20,722<br>24,217 | 22,406<br>26,153 | 25,816<br>28,397 | 24,064<br>26,070 | 23,436<br>26,569 | 25,448<br>28,330 | 25,863<br>28,682 | 23,043<br>25,023 | 24,665<br>28,425 |
| Authors | 13,600<br>23,190 | 13,837<br>19,461 | 9,159<br>13,714 | 8,714<br>10,003 | 11,401<br>16,800 | 7,755<br>** | 9,365<br>15,550 | 8,536<br>12,547 | 15,500<br>22,983 |
| Dancers and Choreographers | 5,389<br>** | 8,368<br>14,939 | 5,739<br>8,271 | 5,817<br>** | 6,208<br>10,020 | 5,297<br>** | 5,608<br>7,504 | 10,158<br>** | 6,931<br>17,266 |
| Designers | 14,981<br>20,399 | 18,125<br>22,065 | 15,330<br>19,210 | 12,816<br>16,727 | 12,234<br>15,707 | 12,507<br>14,858 | 12,404<br>16,281 | 10,346<br>13,517 | 15,522<br>19,479 |
| Musicians and Composers | 6,887<br>11,469 | 10,752<br>18,040 | 7,892<br>13,973 | 7,482<br>14,169 | 8,427<br>12,553 | 10,302<br>15,563 | 8,983<br>16,396 | 9,762<br>15,961 | 10,703<br>18,003 |
| Painters and Sculptors | 10,364<br>15,554 | 11,148<br>15,632 | 10,427<br>15,132 | 9,362<br>13,976 | 8,157<br>12,748 | 9,031<br>14,330 | 8,762<br>13,057 | 8,377<br>11,985 | 9,956<br>14,397 |
| Photographers | 10,532<br>14,606 | 12,542<br>16,955 | 11,191<br>15,231 | 10,739<br>14,659 | 10,661<br>14,497 | 10,035<br>12,959 | 10,201<br>14,052 | 9,021<br>12,202 | 12,310<br>17,227 |
| Post-secondary Teachers | 12,257<br>18,657 | 13,440<br>19,609 | 12,306<br>18,504 | 10,822<br>16,101 | 12,368<br>19,155 | 10,721<br>16,997 | 13,712<br>20,369 | 12,170<br>20,194 | 12,175<br>20,410 |
| Artists n.e.c. | 8,058<br>11,944 | 10,593<br>15,245 | 9,202<br>14,220 | 7,027<br>11,141 | 9,445<br>14,734 | 7,316<br>12,761 | 10,542<br>16,283 | 10,883<br>15,339 | 14,116<br>19,918 |
| All Artists | 12,146<br>18,451 | 14,382<br>20,460 | 12,567<br>18,620 | 11,639<br>17,403 | 11,736<br>17,285 | 11,135<br>16,312 | 12,609<br>18,610 | 11,439<br>16,374 | 15,619<br>22,544 |
| All Workers | 11,467<br>16,192 | 12,666<br>17,262 | 12,476<br>17,492 | 10,684<br>15,061 | 11,073<br>14,945 | 10,504<br>14,335 | 11,544<br>15,806 | 11,771<br>16,679 | 12,905<br>17,755 |
| All Managerial Prof. & Tech. | 17,810<br>22,412 | 19,207<br>23,862 | 18,758<br>23,448 | 15,949<br>20,382 | 16,911<br>20,930 | 15,752<br>19,964 | 17,589<br>21,875 | 16,753<br>21,135 | 19,456<br>24,287 |

## Table 9b

## Median Earnings of Artists by Division
(With Industry Restrictions)

Median Earnings, 1979
Median Earnings of Full-time, Full-Year Workers, 1979

| | New England | Mid Atlantic | East North Central | West North Central | South Atlantic | East South Central | West South Central | Mountain States | Pacific Coast |
|---|---|---|---|---|---|---|---|---|---|
| Actors and Directors | $11,485<br>14,715 | $11,875<br>20,005 | $10,005<br>15,005 | $9,008<br>14,005 | $10,005<br>15,005 | $10,395<br>15,005 | $10,205<br>13,340 | $9,005<br>13,005 | $12,005<br>20,405 |
| Announcers | 8,585<br>10,965 | 8,005<br>12,005 | 9,005<br>12,635 | 7,155<br>11,508 | 7,505<br>11,965 | 6,005<br>9,505 | 6,765<br>12,005 | 7,855<br>10,865 | 10,125<br>15,085 |
| Architects | 18,005<br>20,385 | 19,795<br>22,005 | 20,505<br>22,365 | 19,205<br>20,605 | 20,005<br>21,600 | 19,245<br>21,258 | 19,230<br>20,010 | 19,005<br>20,005 | 20,005<br>23,005 |
| Authors | 5,005<br>9,995 | 7,745<br>12,505 | 5,005<br>10,505 | 4,755<br>8,203 | 5,540<br>12,065 | 6,010<br>** | 4,555<br>9,605 | 5,255<br>9,470 | 6,505<br>12,955 |
| Dancers and Choreographers | 3,365<br>** | 6,005<br>10,680 | 3,705<br>7,005 | 3,005<br>** | 4,505<br>9,605 | 4,005<br>** | 4,005<br>6,005 | 8,085<br>** | 4,005<br>12,005 |
| Designers | 11,225<br>16,125 | 15,005<br>18,005 | 13,930<br>17,365 | 11,010<br>15,005 | 10,005<br>13,005 | 11,005<br>13,095 | 11,005<br>14,005 | 9,155<br>12,505 | 12,005<br>15,348 |
| Musicians and Composers | 4,233<br>9,005 | 6,505<br>12,005 | 5,005<br>11,005 | 4,685<br>10,505 | 5,780<br>11,005 | 7,225<br>11,005 | 5,865<br>10,335 | 6,005<br>12,010 | 6,005<br>10,005 |
| Painters and Sculptors | 6,470<br>11,280 | 8,005<br>12,505 | 8,005<br>12,005 | 6,793<br>11,055 | 5,760<br>10,505 | 6,073<br>10,005 | 6,005<br>10,900 | 6,005<br>9,255 | 7,005<br>11,965 |
| Photographers | 8,448<br>13,000 | 9,085<br>13,005 | 9,005<br>12,505 | 8,005<br>12,005 | 9,005<br>12,005 | 8,005<br>12,005 | 7,005<br>11,005 | 7,005<br>11,005 | 8,450<br>14,005 |
| Post-secondary Teachers | 12,005<br>18,015 | 12,570<br>18,005 | 10,085<br>18,005 | 10,005<br>15,753 | 11,005<br>18,005 | 12,005<br>18,005 | 13,835<br>20,005 | 8,605<br>19,985 | 9,795<br>20,010 |
| Artists n.e.c. | 5,205<br>9,255 | 7,955<br>13,480 | 6,005<br>12,005 | 5,815<br>10,005 | 6,423<br>10,005 | 4,505<br>9,630 | 7,755<br>13,005 | 7,505<br>11,505 | 8,205<br>15,005 |
| All Artists | 8,005<br>14,005 | 10,005<br>15,808 | 9,005<br>15,005 | 8,403<br>14,005 | 8,165<br>13,630 | 7,950<br>12,505 | 8,650<br>14,005 | 8,005<br>13,005 | 9,505<br>16,195 |
| All Workers | 9,005<br>13,005 | 10,005<br>14,045 | 10,005<br>15,005 | 8,005<br>12,005 | 8,405<br>12,005 | 7,975<br>11,103 | 8,845<br>13,005 | 9,005<br>14,005 | 10,005<br>14,868 |
| All Managerial Prof. & Tech. | 14,505<br>17,915 | 15,165<br>19,005 | 15,005<br>18,855 | 12,905<br>16,005 | 13,005<br>16,150 | 12,305<br>15,575 | 13,475<br>17,005 | 14,005<br>17,490 | 16,005<br>20,005 |

Table 10a

Mean Earnings of Artists for Selected States
(With No Industry Restrictions)

Mean Earnings, 1979
Mean Earnings of Full-time, Full-Year Workers, 1979

| | California | Colorado | Connecticut | Florida | Georgia | Illinois | Indiana | Louisiana |
|---|---|---|---|---|---|---|---|---|
| Actors and Directors | $25,339<br>36,195 | $9,984<br>14,692 | $25,360<br>33,220 | $12,159<br>17,195 | $14,018<br>18,571 | $14,413<br>23,011 | $10,829<br>14,734 | $13,899<br>15,477 |
| Announcers | 18,675<br>25,424 | 11,230<br>13,323 | 16,276<br>** | 9,188<br>12,185 | 8,675<br>14,683 | 14,521<br>20,561 | 12,451<br>19,341 | 7,982<br>** |
| Architects | 22,588<br>27,109 | 20,136<br>22,823 | 19,250<br>23,950 | 19,596<br>23,226 | 21,518<br>24,230 | 23,730<br>26,755 | 20,020<br>24,594 | 24,708<br>27,190 |
| Authors | 16,113<br>23,031 | 11,043<br>21,040 | 20,117<br>29,237 | 13,591<br>18,273 | 10,009<br>** | 10,892<br>14,835 | 7,110<br>** | **<br>** |
| Dancers and Choreographers | 7,326<br>16,507 | **<br>** | **<br>** | 6,779<br>** | **<br>** | 8,212<br>** | 4,337<br>** | **<br>** |
| Designers | 13,187<br>17,799 | 12,204<br>14,713 | 16,156<br>21,616 | 10,178<br>14,201 | 10,378<br>14,784 | 14,103<br>18,960 | 9,902<br>14,500 | 9,534<br>14,133 |
| Musicians and Composers | 10,693<br>18,582 | 8,105<br>12,585 | 6,240<br>10,990 | 8,076<br>14,467 | 7,738<br>11,460 | 8,747<br>16,905 | 6,110<br>11,628 | 10,591<br>27,673 |
| Painters and Sculptors | 10,525<br>14,999 | 8,469<br>12,510 | 12,425<br>19,048 | 8,816<br>13,018 | 8,685<br>12,060 | 12,271<br>17,162 | 9,550<br>14,928 | 8,450<br>10,931 |
| Photographers | 13,289<br>18,136 | 8,993<br>12,965 | 11,236<br>14,266 | 10,973<br>14,436 | 9,997<br>13,525 | 12,350<br>16,458 | 11,241<br>14,158 | 10,425<br>13,200 |
| Post-secondary Teachers | 12,877<br>21,443 | 13,011<br>** | 12,285<br>** | 12,606<br>18,157 | 13,053<br>** | 13,009<br>18,401 | 11,640<br>** | 17,521<br>** |
| Artists n.e.c. | 13,840<br>20,411 | 10,595<br>17,834 | 12,297<br>21,426 | 10,225<br>15,259 | 8,973<br>11,387 | 10,768<br>17,791 | 7,086<br>** | 9,392<br>14,509 |
| All Artists | 15,121<br>21,238 | 11,720<br>16,325 | 14,514<br>21,269 | 10,925<br>15,871 | 10,812<br>15,566 | 13,726<br>19,547 | 10,283<br>15,772 | 12,039<br>17,458 |
| All Workers | 13,161<br>17,977 | 12,605<br>17,035 | 13,472<br>18,901 | 10,907<br>14,843 | 11,513<br>15,220 | 13,135<br>18,038 | 11,605<br>16,088 | 11,640<br>16,036 |
| All Managerial Prof. & Tech. | 19,838<br>24,626 | 17,486<br>22,119 | 21,246<br>26,326 | 16,554<br>20,355 | 16,573<br>19,966 | 19,891<br>24,436 | 17,814<br>22,399 | 17,661<br>22,080 |

## Table 10a

## Mean Earnings of Artists for Selected States
(With No Industry Restrictions)

Mean Earnings, 1979
Mean Earnings of Full-time, Full-Year Workers, 1979

| | Maryland | Mass. | Michigan | Minnesota | Missouri | New Jersey | New York | North Carolina |
|---|---|---|---|---|---|---|---|---|
| Actors and Directors | $18,467<br>22,228 | $11,355<br>15,950 | $13,895<br>19,477 | $9,860<br>** | $13,242<br>18,315 | $17,277<br>25,536 | $19,505<br>29,914 | $8,915<br>13,129 |
| Announcers | 19,822<br>26,183 | 17,068<br>23,425 | 12,925<br>17,064 | 9,927<br>** | 14,752<br>24,415 | 8,093<br>** | 15,519<br>21,610 | 8,316<br>14,002 |
| Architects | 23,044<br>26,590 | 20,616<br>24,493 | 22,232<br>26,680 | 22,728<br>26,329 | 22,810<br>25,787 | 18,741<br>24,743 | 21,581<br>25,659 | 19,622<br>22,994 |
| Authors | 15,088<br>** | 14,165<br>24,569 | 10,328<br>16,112 | 10,764<br>** | 10,501<br>** | 11,698<br>15,794 | 15,199<br>21,095 | 5,984<br>** |
| Dancers and Choreographers | **<br>** | **<br>** | **<br>** | **<br>** | **<br>** | 6,291<br>** | 9,600<br>18,057 | **<br>** |
| Designers | 13,829<br>17,745 | 13,633<br>17,853 | 16,802<br>22,383 | 12,410<br>16,684 | 9,846<br>13,908 | 16,225<br>19,837 | 16,385<br>20,755 | 10,360<br>14,348 |
| Musicians and Composers | 6,425<br>10,422 | 6,310<br>10,911 | 6,199<br>14,427 | 7,141<br>11,981 | 6,516<br>10,244 | 9,576<br>15,811 | 10,582<br>18,476 | 6,354<br>11,490 |
| Painters and Sculptors | 11,608<br>16,098 | 10,058<br>14,591 | 13,523<br>18,041 | 9,426<br>14,151 | 10,839<br>15,201 | 11,020<br>14,938 | 11,822<br>16,102 | 7,527<br>11,140 |
| Photographers | 13,547<br>16,842 | 11,337<br>15,197 | 11,472<br>17,753 | 10,245<br>14,313 | 11,123<br>14,227 | 12,559<br>16,420 | 13,418<br>17,915 | 9,505<br>13,219 |
| Post-secondary Teachers | 13,135<br>** | 12,200<br>** | 12,530<br>** | 9,113<br>** | 10,842<br>** | 16,434<br>** | 12,669<br>17,187 | 8,972<br>** |
| Artists n.e.c. | 8,626<br>15,299 | 7,755<br>11,496 | 8,060<br>13,174 | 8,659<br>** | 6,509<br>** | 10,439<br>15,413 | 11,294<br>17,303 | 7,492<br>12,025 |
| All Artists | 13,634<br>19,010 | 12,336<br>17,993 | 13,972<br>20,786 | 11,505<br>16,859 | 11,163<br>16,304 | 13,861<br>19,006 | 14,932<br>20,786 | 9,786<br>14,568 |
| All Workers | 12,980<br>17,665 | 11,546<br>16,234 | 12,992<br>18,825 | 12,265<br>17,654 | 11,218<br>15,802 | 13,403<br>18,286 | 12,701<br>17,150 | 9,514<br>12,735 |
| All Managerial Prof. & Tech. | 19,461<br>23,986 | 17,252<br>21,963 | 19,394<br>24,452 | 18,468<br>23,324 | 16,775<br>20,886 | 20,901<br>25,756 | 19,140<br>23,785 | 15,086<br>19,025 |

## Table 10a

### Mean Earnings of Artists for Selected States
### (With No Industry Restrictions)

Mean Earnings, 1979
Mean Earnings of Full-time, Full-Year Workers, 1979

| | Ohio | Oregon | Pennsylvania | Tennessee | Texas | Virginia | Washington | Wisconsin |
|---|---|---|---|---|---|---|---|---|
| Actors and Directors | $10,689<br>14,925 | $13,394<br>17,750 | $13,392<br>17,910 | $14,162<br>15,359 | $12,189<br>16,870 | $19,447<br>25,532 | $10,755<br>17,008 | $10,292<br>17,630 |
| Announcers | 11,117<br>16,275 | 8,486<br>11,299 | 9,685<br>12,317 | 7,905<br>11,930 | 10,588<br>14,991 | 12,216<br>18,960 | 10,563<br>15,325 | 9,415<br>11,795 |
| Architects | 22,418<br>27,550 | 20,197<br>24,208 | 20,978<br>25,257 | 18,370<br>22,385 | 23,291<br>27,513 | 23,167<br>26,441 | 23,793<br>26,778 | 22,855<br>26,474 |
| Authors | 10,246<br>** | 6,796<br>** | 9,092<br>13,447 | **<br>** | 10,606<br>17,269 | 15,991<br>21,616 | 9,025<br>** | 6,402<br>** |
| Dancers and Choreographers | 4,887<br>** | **<br>** | **<br>** | **<br>** | 5,418<br>** | **<br>** | **<br>** | **<br>** |
| Designers | 11,276<br>16,390 | 10,154<br>15,588 | 12,368<br>16,737 | 10,256<br>14,957 | 10,771<br>15,154 | 11,977<br>16,297 | 11,967<br>17,137 | 11,913<br>17,356 |
| Musicians and Composers | 6,186<br>13,089 | 5,346<br>7,929 | 5,973<br>13,548 | 10,948<br>17,861 | 7,890<br>13,656 | 7,687<br>13,160 | 7,004<br>13,767 | 5,436<br>8,979 |
| Painters and Sculptors | 8,912<br>12,859 | 6,818<br>10,759 | 8,939<br>13,648 | 11,133<br>16,489 | 9,886<br>14,273 | 9,859<br>13,874 | 9,877<br>14,613 | 8,721<br>12,317 |
| Photographers | 11,166<br>14,984 | 9,829<br>14,154 | 10,788<br>15,130 | 9,699<br>13,897 | 10,771<br>14,656 | 12,483<br>16,609 | 10,522<br>15,330 | 10,764<br>13,651 |
| Post-secondary Teachers | 10,624<br>** | 7,837<br>** | 13,050<br>19,235 | 9,892<br>** | 13,661<br>21,171 | 11,737<br>** | 9,573<br>** | 14,113<br>18,870 |
| Artists n.e.c. | 8,858<br>12,545 | 6,991<br>** | 9,108<br>14,067 | 6,523<br>** | 10,992<br>17,004 | 8,161<br>12,303 | 9,445<br>15,774 | 10,583<br>14,488 |
| All Artists | 13,634<br>19,010 | 12,336<br>17,993 | 13,972<br>20,786 | 11,505<br>16,859 | 11,163<br>16,304 | 13,861<br>19,006 | 14,932<br>20,786 | 9,786<br>14,568 |
| All Workers | 12,313<br>17,058 | 11,619<br>17,671 | 12,175<br>16,799 | 10,803<br>14,474 | 11,920<br>16,225 | 11,913<br>15,724 | 12,246<br>17,947 | 11,578<br>16,544 |
| All Managerial Prof. & Tech. | 18,200<br>22,659 | 16,585<br>21,570 | 18,096<br>22,601 | 16,071<br>19,974 | 18,000<br>22,164 | 17,916<br>22,295 | 18,565<br>23,705 | 16,998<br>21,875 |

## Table 10b

## Median Earnings of Artists for Selected States (With No Industry Restrictions)

Median Earnings, 1979
Median Earnings of Full-time, Full-Year Workers, 1979

| | California | Colorado | Connecticut | Florida | Georgia | Illinois | Indiana | Louisiana |
|---|---|---|---|---|---|---|---|---|
| Actors and Directors | $12,405<br>22,380 | $7,153<br>12,505 | $15,605<br>20,505 | $9,835<br>13,585 | $10,805<br>17,425 | $8,845<br>18,005 | $11,725<br>13,005 | $13,005<br>13,505 |
| Announcers | 10,810<br>17,505 | 7,005<br>10,925 | 10,925<br>** | 8,305<br>11,095 | 5,430<br>9,980 | 9,605<br>14,505 | 8,005<br>11,360 | 7,365<br>** |
| Architects | 19,078<br>22,005 | 15,005<br>18,205 | 16,125<br>20,385 | 15,005<br>20,005 | 20,005<br>21,510 | 20,005<br>22,275 | 17,005<br>20,005 | 18,645<br>19,975 |
| Authors | 8,005<br>14,795 | 5,405<br>13,005 | 7,368<br>14,385 | 6,005<br>13,505 | 5,880<br>** | 7,503<br>14,235 | 5,005<br>** | **<br>** |
| Dancers and Choreographers | 4,005<br>9,885 | **<br>** | **<br>** | 4,855<br>** | **<br>** | 6,385<br>** | 2,705<br>** | **<br>** |
| Designers | 10,005<br>16,005 | 8,315<br>13,795 | 12,295<br>17,540 | 7,260<br>11,070 | 8,005<br>12,475 | 12,005<br>17,915 | 7,608<br>12,005 | 6,505<br>10,905 |
| Musicians and Composers | 5,990<br>10,005 | 4,855<br>11,258 | 4,300<br>9,580 | 5,235<br>12,005 | 5,005<br>11,005 | 4,255<br>14,005 | 3,550<br>10,005 | 4,505<br>10,405 |
| Painters and Sculptors | 8,005<br>12,965 | 6,008<br>10,005 | 7,005<br>13,005 | 6,755<br>10,605 | 7,805<br>11,008 | 10,005<br>14,425 | 7,005<br>11,015 | 6,005<br>9,885 |
| Photographers | 10,005<br>15,005 | 7,300<br>12,658 | 9,830<br>14,005 | 8,375<br>11,765 | 8,410<br>10,005 | 10,005<br>14,005 | 10,005<br>13,005 | 8,005<br>12,005 |
| Post-secondary Teachers | 10,005<br>21,050 | 11,405<br>** | 12,470<br>** | 11,255<br>18,005 | 10,005<br>** | 10,983<br>18,930 | 8,605<br>** | 19,005<br>** |
| Artists n.e.c. | 8,005<br>15,005 | 5,005<br>11,505 | 6,635<br>11,195 | 7,205<br>10,005 | 6,490<br>10,055 | 6,005<br>14,045 | 5,005<br>** | 8,255<br>13,005 |
| All Artists | 10,005<br>16,505 | 8,005<br>13,725 | 10,005<br>16,005 | 7,805<br>12,205 | 8,005<br>13,005 | 10,505<br>17,005 | 7,500<br>13,005 | 8,005<br>12,940 |
| All Workers | 10,005<br>14,775 | 9,945<br>13,755 | 10,335<br>15,005 | 8,005<br>11,965 | 8,505<br>12,005 | 10,005<br>15,005 | 9,905<br>14,005 | 8,645<br>13,005 |
| All Managerial Prof. & Tech. | 16,005<br>20,005 | 14,005<br>18,005 | 16,005<br>19,505 | 12,505<br>15,505 | 12,860<br>15,005 | 15,755<br>19,605 | 14,005<br>17,165 | 13,165<br>18,005 |

## Table 10b

## Median Earnings of Artists for Selected States
(With No Industry Restrictions)

Median Earnings, 1979
Median Earnings of Full-time, Full-Year Workers, 1979

| | Maryland | Mass. | Michigan | Minnesota | Missouri | New Jersey | New York | North Carolina |
|---|---|---|---|---|---|---|---|---|
| Actors and Directors | $15,005<br>17,650 | $10,005<br>14,965 | $10,505<br>17,005 | $7,800<br>** | $8,758<br>16,005 | $13,005<br>20,005 | $11,628<br>20,600 | $8,455<br>12,005 |
| Announcers | 16,655<br>23,815 | 8,005<br>12,005 | 8,005<br>11,405 | 7,055<br>** | 6,005<br>10,705 | 5,725<br>** | 8,045<br>14,555 | 5,005<br>10,605 |
| Architects | 18,650<br>21,145 | 17,595<br>20,005 | 20,005<br>22,205 | 19,105<br>21,755 | 18,195<br>20,005 | 18,005<br>22,938 | 19,005<br>22,005 | 15,005<br>18,008 |
| Authors | 9,255<br>** | 5,905<br>13,085 | 6,005<br>11,030 | 8,838<br>** | 4,755<br>** | 8,605<br>15,005 | 9,005<br>14,005 | 3,155<br>** |
| Dancers and Choreographers | **<br>** | **<br>** | **<br>** | **<br>** | **<br>** | 5,005<br>** | 6,135<br>15,005 | **<br>** |
| Designers | 11,205<br>15,008 | 12,005<br>16,450 | 14,005<br>21,000 | 10,005<br>15,630 | 7,955<br>12,005 | 14,505<br>18,005 | 13,505<br>18,005 | 7,965<br>11,305 |
| Musicians and Composers | 4,563<br>9,910 | 3,665<br>9,755 | 3,685<br>11,965 | 4,005<br>11,005 | 4,905<br>10,005 | 5,205<br>11,705 | 6,005<br>12,255 | 4,005<br>10,640 |
| Painters and Sculptors | 9,955<br>14,005 | 6,705<br>11,515 | 10,035<br>16,005 | 7,995<br>12,005 | 7,555<br>12,680 | 9,005<br>12,005 | 9,005<br>13,205 | 5,705<br>10,005 |
| Photographers | 12,005<br>13,110 | 9,505<br>13,005 | 8,005<br>15,410 | 8,065<br>12,790 | 8,205<br>11,845 | 10,720<br>15,005 | 9,830<br>15,005 | 8,005<br>12,005 |
| Post-secondary Teachers | 11,985<br>** | 11,360<br>** | 12,880<br>** | 8,645<br>** | 11,965<br>** | 15,605<br>** | 12,310<br>17,660 | 5,640<br>** |
| Artists n.e.c. | 5,255<br>13,055 | 5,175<br>10,005 | 5,005<br>12,005 | 5,765<br>** | 5,510<br>** | 8,005<br>13,480 | 7,670<br>13,505 | 5,105<br>8,015 |
| All Artists | 10,265<br>15,895 | 9,005<br>15,023 | 10,005<br>18,005 | 8,505<br>15,005 | 7,975<br>13,005 | 10,600<br>16,508 | 10,355<br>16,405 | 7,018<br>12,005 |
| All Workers | 10,080<br>15,005 | 9,165<br>13,785 | 10,005<br>16,720 | 9,005<br>14,005 | 8,010<br>12,200 | 10,005<br>15,005 | 10,005<br>14,005 | 7,923<br>10,205 |
| All Managerial Prof. & Tech. | 16,005<br>19,905 | 15,005<br>18,005 | 16,425<br>20,285 | 15,005<br>18,365 | 13,005<br>16,528 | 16,505<br>20,005 | 15,125<br>19,005 | 12,005<br>15,005 |

## Table 10b

## Median Earnings of Artists for Selected States (With No Industry Restrictions)

Median Earnings, 1979
Median Earnings of Full-time, Full-Year Workers, 1979

| | Ohio | Oregon | Pennsylvania | Tennessee | Texas | Virginia | Washington | Wisconsin |
|---|---|---|---|---|---|---|---|---|
| Actors and Directors | $10,065<br>12,755 | $12,005<br>16,235 | $10,850<br>16,515 | $11,010<br>15,005 | $10,005<br>13,355 | $14,805<br>19,570 | $8,130<br>14,933 | $10,005<br>15,075 |
| Announcers | 9,885<br>13,565 | 7,510<br>9,445 | 7,420<br>11,005 | 7,005<br>10,470 | 7,065<br>11,255 | 7,465<br>12,005 | 8,508<br>12,875 | 7,205<br>11,005 |
| Architects | 18,005<br>21,505 | 16,425<br>21,100 | 18,005<br>21,505 | 14,645<br>18,005 | 18,505<br>20,313 | 20,005<br>21,005 | 20,005<br>22,005 | 18,205<br>21,250 |
| Authors | 5,005<br>** | 3,680<br>** | 4,405<br>5,610 | **<br>** | 5,235<br>14,005 | 12,755<br>20,248 | 5,388<br>** | 3,235<br>** |
| Dancers and Choreographers | 4,005<br>** | **<br>** | **<br>** | **<br>** | 3,845<br>** | **<br>** | **<br>** | **<br>** |
| Designers | 8,505<br>15,005 | 6,305<br>12,355 | 10,005<br>15,005 | 7,195<br>12,005 | 8,005<br>12,505 | 9,005<br>13,775 | 10,005<br>15,085 | 10,135<br>16,455 |
| Musicians and Composers | 3,605<br>12,005 | 4,005<br>8,005 | 3,390<br>12,005 | 6,773<br>14,508 | 5,005<br>10,605 | 4,085<br>12,405 | 4,505<br>12,005 | 3,635<br>9,755 |
| Painters and Sculptors | 7,885<br>11,360 | 5,285<br>10,005 | 7,005<br>12,005 | 7,775<br>10,505 | 8,005<br>13,005 | 8,865<br>12,240 | 8,005<br>12,885 | 7,705<br>11,965 |
| Photographers | 9,060<br>13,400 | 8,255<br>13,220 | 9,085<br>13,855 | 8,155<br>13,755 | 7,835<br>11,005 | 11,405<br>14,340 | 8,005<br>15,010 | 9,005<br>11,635 |
| Post-secondary Teachers | 7,755<br>** | 6,005<br>** | 12,155<br>17,165 | 10,855<br>** | 13,605<br>20,005 | 11,005<br>** | 7,005<br>** | 13,708<br>20,665 |
| Artists n.e.c. | 6,765<br>10,155 | 6,005<br>** | 6,005<br>11,805 | 4,005<br>** | 7,005<br>12,005 | 5,755<br>10,990 | 6,005<br>12,605 | 7,855<br>12,755 |
| All Artists | 8,005<br>14,505 | 6,305<br>12,660 | 8,505<br>14,960 | 7,805<br>13,005 | 8,105<br>14,005 | 10,005<br>15,005 | 9,005<br>16,005 | 8,005<br>14,855 |
| All Workers | 10,005<br>14,905 | 8,775<br>15,005 | 10,005<br>14,005 | 8,505<br>12,005 | 9,005<br>13,005 | 9,203<br>12,575 | 9,715<br>15,480 | 9,005<br>14,005 |
| All Managerial Prof. & Tech. | 14,265<br>17,635 | 14,005<br>18,065 | 15,005<br>17,840 | 12,470<br>15,455 | 14,005<br>17,075 | 14,315<br>19,005 | 15,505<br>19,615 | 14,028<br>18,005 |

Table 11a

## Mean Earnings of Artists for Selected States With Industry Restrictions

Mean Earnings, 1979
Mean Earnings of Full-Time, Full-Year Workers, 1979

| | California | Colorado | Connecticut | Florida | Georgia | Illinois | Indiana | Louisiana |
|---|---|---|---|---|---|---|---|---|
| Actors and Directors | $25,665<br>37,081 | $9,983<br>14,408 | $23,811<br>30,775 | $11,514<br>16,861 | $14,041<br>17,904 | $13,473<br>21,934 | $10,979<br>14,986 | $13,265<br>** |
| Announcers | 19,566<br>26,124 | 11,433<br>13,660 | 18,586<br>** | 9,540<br>12,331 | 9,263<br>14,820 | 14,818<br>20,983 | 12,866<br>19,341 | 8,576<br>** |
| Architects | 24,496<br>28,465 | 22,692<br>24,129 | 22,281<br>26,592 | 24,032<br>28,040 | 22,871<br>25,208 | 26,571<br>28,397 | 23,141<br>26,679 | 26,789<br>29,007 |
| Authors | 16,583<br>24,054 | 9,244<br>16,106 | 20,411<br>29,654 | 12,633<br>17,629 | 7,469<br>** | 10,100<br>13,652 | **<br>** | **<br>** |
| Dancers and Choreographers | 7,351<br>18,279 | **<br>** | **<br>** | 6,797<br>** | **<br>** | 8,376<br>** | 4,337<br>** | **<br>** |
| Designers | 16,311<br>20,049 | 10,573<br>** | 23,246<br>28,529 | 10,642<br>14,286 | 12,369<br>14,249 | 17,293<br>20,877 | 13,562<br>15,842 | **<br>** |
| Musicians and Composers | 11,511<br>19,345 | 9,133<br>** | 7,060<br>10,465 | 8,990<br>14,694 | 9,138<br>12,558 | 9,739<br>15,592 | 7,349<br>** | 14,051<br>** |
| Painters and Sculptors | 10,525<br>14,983 | 7,984<br>11,905 | 13,201<br>20,514 | 8,494<br>13,065 | 7,618<br>11,260 | 12,360<br>17,429 | 7,906<br>13,063 | 7,668<br>10,061 |
| Photographers | 13,086<br>18,167 | 8,553<br>12,337 | 11,214<br>14,656 | 11,002<br>14,471 | 10,013<br>13,500 | 11,989<br>15,892 | 10,540<br>13,537 | 10,532<br>13,245 |
| Post-secondary Teachers | 12,925<br>21,424 | 12,850<br>** | 13,557<br>** | 12,932<br>18,888 | 14,167<br>** | 12,979<br>18,401 | 11,740<br>** | 17,595<br>** |
| Artists n.e.c. | 14,884<br>20,435 | 11,026<br>** | 9,850<br>** | 11,186<br>17,010 | 7,676<br>** | 11,752<br>21,131 | 7,787<br>** | 9,650<br>** |
| All Artists | 16,568<br>23,593 | 11,703<br>16,888 | 15,373<br>22,571 | 11,706<br>17,376 | 11,162<br>16,197 | 14,446<br>20,394 | 10,963<br>16,466 | 14,126<br>19,841 |
| All Workers | 13,161<br>17,977 | 12,605<br>17,035 | 13,472<br>18,901 | 10,907<br>14,843 | 11,513<br>15,220 | 13,135<br>18,038 | 11,605<br>16,088 | 11,640<br>16,036 |
| All Managerial Prof. & Tech. | 19,838<br>24,626 | 17,486<br>22,119 | 21,246<br>26,326 | 16,554<br>20,355 | 16,573<br>19,966 | 19,891<br>24,436 | 17,814<br>22,399 | 17,661<br>22,080 |

Table 11a

## Mean Earnings of Artists for Selected States With Industry Restrictions

Mean Earnings, 1979
Mean Earnings of Full-Time, Full-Year Workers, 1979

| | Maryland | Mass. | Michigan | Minnesota | Missouri | New Jersey | New York | North Carolina |
|---|---|---|---|---|---|---|---|---|
| Actors and Directors | $15,800<br>19,413 | $11,385<br>16,023 | $14,074<br>19,591 | $9,383<br>** | $12,369<br>** | $17,456<br>25,923 | $19,642<br>30,008 | $9,316<br>13,183 |
| Announcers | 20,852<br>26,318 | 17,742<br>24,133 | 12,479<br>17,528 | 11,035<br>** | 15,212<br>24,415 | **<br>** | 16,530<br>23,245 | 7,646<br>13,469 |
| Architects | 23,636<br>27,239 | 21,530<br>24,405 | 26,141<br>28,607 | 24,378<br>27,099 | 24,363<br>26,961 | 21,171<br>25,189 | 22,496<br>26,585 | 24,082<br>27,474 |
| Authors | 13,218<br>** | 14,527<br>26,096 | 9,772<br>** | 10,360<br>** | 7,169<br>** | 10,568<br>14,008 | 15,039<br>20,833 | **<br>** |
| Dancers and Choreographers | **<br>** | **<br>** | **<br>** | **<br>** | **<br>** | 6,261<br>** | 9,054<br>16,554 | **<br>** |
| Designers | 14,314<br>17,382 | 13,652<br>18,826 | 14,812<br>19,905 | 15,750<br>21,058 | 12,922<br>17,300 | 18,296<br>20,502 | 18,490<br>22,910 | 13,133<br>16,496 |
| Musicians and Composers | 7,336<br>** | 6,773<br>10,897 | 7,012<br>15,896 | 8,408<br>11,927 | 6,754<br>** | 10,817<br>16,041 | 11,561<br>19,499 | 7,121<br>10,137 |
| Painters and Sculptors | 9,240<br>14,564 | 10,004<br>14,593 | 11,916<br>16,773 | 9,106<br>14,182 | 9,992<br>15,108 | 10,713<br>14,602 | 11,928<br>16,305 | 7,288<br>11,217 |
| Photographers | 11,994<br>15,985 | 11,153<br>15,585 | 10,722<br>16,881 | 10,051<br>14,161 | 10,566<br>14,126 | 11,998<br>15,847 | 13,628<br>18,169 | 9,649<br>13,143 |
| Post-secondary Teachers | 13,802<br>** | 12,355<br>** | 12,529<br>** | 9,128<br>** | 10,842<br>** | 16,741<br>** | 12,427<br>17,150 | 8,572<br>** |
| Artists n.e.c. | 8,678<br>** | 8,136<br>** | 8,327<br>11,672 | 8,134<br>** | 5,969<br>** | 10,980<br>14,775 | 11,141<br>15,694 | 8,620<br>** |
| All Artists | 13,108<br>19,178 | 12,161<br>18,508 | 12,456<br>19,514 | 11,658<br>17,535 | 11,901<br>18,230 | 13,478<br>18,593 | 15,258<br>21,638 | 10,299<br>15,393 |
| All Workers | 12,980<br>17,665 | 11,546<br>16,234 | 12,992<br>18,825 | 12,265<br>17,654 | 11,218<br>15,802 | 13,403<br>18,286 | 12,701<br>17,150 | 9,514<br>12,735 |
| All Managerial Prof. & Tech. | 19,461<br>23,986 | 17,252<br>21,963 | 19,394<br>24,452 | 18,468<br>23,324 | 16,775<br>20,886 | 20,901<br>25,756 | 19,140<br>23,785 | 15,086<br>19,025 |

## Table 11a

## Mean Earnings of Artists for Selected States With Industry Restrictions

Mean Earnings, 1979
Mean Earnings of Full-Time, Full-Year Workers, 1979

| | Ohio | Oregon | Pennsylvania | Tennessee | Texas | Virginia | Washington | Wisconsin |
|---|---|---|---|---|---|---|---|---|
| Actors and Directors | $10,595<br>14,731 | $13,621<br>18,198 | $13,412<br>17,782 | $14,283<br>** | $12,412<br>16,962 | $17,122<br>24,921 | $10,854<br>17,302 | $10,009<br>** |
| Announcers | 11,340<br>16,015 | 8,833<br>11,910 | 9,685<br>12,530 | 8,217<br>11,930 | 10,578<br>15,241 | 12,433<br>19,101 | 10,721<br>16,025 | 9,789<br>12,147 |
| Architects | 25,335<br>28,931 | 22,015<br>24,919 | 22,962<br>25,828 | 22,817<br>25,661 | 25,976<br>28,982 | 25,296<br>27,582 | 24,522<br>27,809 | 25,408<br>28,147 |
| Authors | 9,927<br>** | 5,249<br>** | 8,237<br>12,227 | **<br>** | 9,659<br>16,193 | 12,856<br>19,528 | 9,347<br>** | 6,042<br>** |
| Dancers and Choreographers | 4,887<br>** | **<br>** | **<br>** | **<br>** | 5,474<br>** | **<br>** | **<br>** | **<br>** |
| Designers | 13,557<br>17,301 | 9,565<br>** | 15,184<br>18,389 | 14,941<br>17,488 | 13,022<br>17,776 | 11,719<br>16,067 | 12,056<br>16,605 | 12,714<br>** |
| Musicians and Composers | 7,383<br>14,906 | 5,908<br>** | 7,462<br>14,577 | 12,195<br>18,183 | 8,341<br>13,029 | 9,745<br>** | 7,974<br>14,549 | 7,064<br>8,333 |
| Painters and Sculptors | 8,529<br>12,874 | 6,132<br>9,441 | 8,534<br>13,731 | 11,118<br>17,648 | 9,183<br>13,860 | 8,268<br>12,481 | 8,819<br>13,640 | 8,847<br>12,394 |
| Photographers | 10,678<br>14,743 | 9,903<br>14,315 | 9,957<br>14,395 | 9,366<br>13,193 | 10,397<br>14,165 | 11,725<br>16,426 | 10,125<br>15,080 | 11,182<br>13,527 |
| Post-secondary Teachers | 10,731<br>** | 7,837<br>** | 13,331<br>19,366 | 9,876<br>** | 13,723<br>21,171 | 11,995<br>** | 9,737<br>** | 14,113<br>18,870 |
| Artists n.e.c. | 7,782<br>11,511 | 9,179<br>** | 8,923<br>14,460 | 6,897<br>** | 11,579<br>18,732 | 6,344<br>** | 10,191<br>** | 10,576<br>** |
| All Artists | 11,607<br>17,494 | 9,873<br>15,795 | 11,579<br>17,418 | 12,113<br>17,109 | 12,882<br>19,043 | 12,896<br>18,958 | 12,163<br>19,148 | 11,181<br>16,121 |
| All Workers | 12,313<br>17,058 | 11,619<br>17,671 | 12,175<br>16,799 | 10,803<br>14,474 | 11,920<br>16,225 | 11,913<br>15,724 | 12,246<br>17,947 | 11,578<br>16,544 |
| All Managerial Prof. & Tech. | 18,200<br>22,659 | 16,585<br>21,570 | 18,096<br>22,601 | 16,071<br>19,974 | 18,000<br>22,164 | 17,916<br>22,295 | 18,565<br>23,705 | 16,998<br>21,875 |

## Table 11b

## Median Earnings of Artists for Selected States (With Industry Restrictions)

Median Earnings, 1979
Median Earnings of Full-time, Full-Year Workers, 1979

| | California | Colorado | Connecticut | Florida | Georgia | Illinois | Indiana | Louisiana |
|---|---|---|---|---|---|---|---|---|
| Actors and Directors | $12,215 | $6,895 | $14,508 | $9,255 | $10,440 | $8,035 | $11,725 | $13,240 |
| | 22,360 | 12,505 | 17,705 | 13,005 | 17,005 | 17,925 | 13,005 | ** |
| Announcers | 11,005 | 7,005 | 12,005 | 9,005 | 5,910 | 10,333 | 8,005 | 7,580 |
| | 18,005 | 10,505 | ** | 11,475 | 10,075 | 14,505 | 11,360 | ** |
| Architects | 20,005 | 17,950 | 18,790 | 20,005 | 21,005 | 21,065 | 19,005 | 19,245 |
| | 23,005 | 19,275 | 22,565 | 22,005 | 22,005 | 23,005 | 21,955 | 20,063 |
| Authors | 7,005 | 5,330 | 7,368 | 5,905 | 4,115 | 5,820 | ** | ** |
| | 13,005 | 10,505 | 12,645 | 13,105 | ** | 12,005 | ** | ** |
| Dancers and Choreographers | 4,005 | ** | ** | 4,855 | ** | 6,765 | 2,705 | ** |
| | 10,005 | ** | ** | ** | ** | ** | ** | ** |
| Designers | 12,155 | 8,005 | 14,505 | 8,005 | 12,005 | 16,005 | 11,795 | ** |
| | 16,068 | ** | 19,930 | 10,505 | 14,280 | 19,005 | 13,805 | ** |
| Musicians and Composers | 6,005 | 5,505 | 5,255 | 6,230 | 7,005 | 5,330 | 5,005 | 6,505 |
| | 10,005 | ** | 9,005 | 12,005 | 11,985 | 14,005 | ** | ** |
| Painters and Sculptors | 7,255 | 5,405 | 6,705 | 6,200 | 5,558 | 9,485 | 4,755 | 5,195 |
| | 12,005 | 9,505 | 12,715 | 10,005 | 10,005 | 14,005 | 10,388 | 9,485 |
| Photographers | 9,005 | 7,005 | 9,680 | 8,375 | 8,465 | 10,005 | 9,495 | 8,005 |
| | 14,005 | 12,255 | 13,005 | 11,005 | 10,005 | 13,505 | 12,910 | 12,005 |
| Post-secondary Teachers | 10,005 | 11,005 | 14,365 | 11,735 | 11,955 | 10,710 | 8,605 | 19,505 |
| | 21,005 | ** | ** | 18,005 | ** | 18,930 | ** | ** |
| Artists n.e.c. | 8,675 | 6,005 | 7,875 | 7,805 | 4,375 | 5,505 | 5,308 | 8,255 |
| | 15,085 | ** | ** | 10,335 | ** | 17,505 | ** | ** |
| All Artists | 10,005 | 8,005 | 10,005 | 8,005 | 8,405 | 10,580 | 8,055 | 10,005 |
| | 16,975 | 13,725 | 15,193 | 13,005 | 13,635 | 17,005 | 13,005 | 14,005 |
| All Workers | 10,005 | 9,945 | 10,335 | 8,005 | 8,505 | 10,005 | 9,905 | 8,645 |
| | 14,775 | 13,755 | 15,005 | 11,965 | 12,005 | 15,005 | 14,005 | 13,005 |
| All Managerial Prof. & Tech. | 16,005 | 14,005 | 16,005 | 12,505 | 12,860 | 15,755 | 14,005 | 13,165 |
| | 20,005 | 18,005 | 19,505 | 15,505 | 15,005 | 19,605 | 17,165 | 18,005 |

## Table 11b

## Median Earnings of Artists for Selected States
(With Industry Restrictions)

Median Earnings, 1979
Median Earnings of Full-time, Full-Year Workers, 1979

| | Maryland | Mass. | Michigan | Minnesota | Missouri | New Jersey | New York | North Carolina |
|---|---|---|---|---|---|---|---|---|
| Actors and Directors | $13,905<br>15,493 | $10,005<br>15,005 | $11,095<br>17,508 | $7,405<br>** | $8,225<br>** | $13,705<br>19,005 | $11,660<br>21,005 | $9,415<br>12,005 |
| Announcers | 17,950<br>23,625 | 8,665<br>14,005 | 8,105<br>11,405 | 8,005<br>** | 6,205<br>10,705 | **<br>** | 8,915<br>15,005 | 5,005<br>10,505 |
| Architects | 18,005<br>20,005 | 18,005<br>20,005 | 22,005<br>22,495 | 18,005<br>20,960 | 19,005<br>20,005 | 20,005<br>23,505 | 19,805<br>22,005 | 20,000<br>21,505 |
| Authors | 7,360<br>** | 5,905<br>13,085 | 4,905<br>** | 8,203<br>** | 3,633<br>** | 6,005<br>13,755 | 8,105<br>13,005 | **<br>** |
| Dancers and Choreographers | **<br>** | **<br>** | **<br>** | **<br>** | **<br>** | 5,108<br>** | 6,005<br>14,045 | **<br>** |
| Designers | 12,005<br>15,008 | 11,700<br>16,755 | 12,130<br>18,205 | 15,415<br>20,005 | 12,945<br>16,445 | 15,005<br>17,110 | 15,005<br>18,205 | 11,505<br>14,275 |
| Musicians and Composers | 5,458<br>** | 4,005<br>9,255 | 4,685<br>10,005 | 6,093<br>9,658 | 5,275<br>** | 6,885<br>11,340 | 7,005<br>12,070 | 5,195<br>8,555 |
| Painters and Sculptors | 5,755<br>12,425 | 6,425<br>11,610 | 8,905<br>13,175 | 6,785<br>11,900 | 6,505<br>12,005 | 8,005<br>12,005 | 8,805<br>13,005 | 5,005<br>10,005 |
| Photographers | 10,055<br>12,505 | 8,005<br>11,805 | 7,805<br>12,505 | 7,505<br>11,575 | 7,880<br>11,565 | 10,005<br>13,005 | 9,130<br>14,005 | 8,575<br>12,005 |
| Post-secondary Teachers | 14,080<br>** | 11,905<br>** | 12,675<br>** | 8,325<br>** | 11,965<br>** | 16,005<br>** | 12,260<br>17,348 | 3,658<br>** |
| Artists n.e.c. | 5,725<br>** | 5,175<br>** | 6,100<br>12,005 | 6,005<br>** | 5,005<br>** | 10,005<br>13,505 | 8,865<br>13,255 | 5,895<br>** |
| All Artists | 9,618<br>15,195 | 8,005<br>15,005 | 8,505<br>15,085 | 8,505<br>15,005 | 7,945<br>14,145 | 10,005<br>15,385 | 10,005<br>16,010 | 7,505<br>12,505 |
| All Workers | 10,080<br>15,005 | 9,165<br>13,785 | 10,005<br>16,720 | 9,005<br>14,005 | 8,010<br>12,200 | 10,005<br>15,005 | 10,005<br>14,005 | 7,923<br>10,205 |
| All Managerial Prof. & Tech. | 16,005<br>19,905 | 15,005<br>18,005 | 16,425<br>20,285 | 15,005<br>18,365 | 13,005<br>16,528 | 16,505<br>20,005 | 15,125<br>19,005 | 12,005<br>15,005 |

## Table 11b

## Median Earnings of Artists for Selected States (With Industry Restrictions)

Median Earnings, 1979
Median Earnings of Full-time, Full-Year Workers, 1979

| | Ohio | Oregon | Pennsylvania | Tennessee | Texas | Virginia | Washington | Wisconsin |
|---|---|---|---|---|---|---|---|---|
| Actors and Directors | $10,005<br>12,105 | $12,005<br>16,235 | $10,465<br>16,005 | $11,010<br>** | $10,005<br>13,355 | $10,905<br>16,005 | $8,255<br>14,933 | $10,005<br>** |
| Announcers | 10,005<br>13,235 | 8,005<br>9,805 | 7,420<br>11,005 | 7,455<br>10,470 | 7,005<br>11,965 | 7,725<br>12,005 | 8,510<br>13,508 | 7,805<br>11,005 |
| Architects | 20,005<br>22,185 | 19,183<br>22,005 | 18,865<br>20,505 | 18,005<br>19,005 | 19,563<br>20,285 | 20,795<br>21,505 | 20,005<br>22,438 | 19,680<br>21,228 |
| Authors | 4,935<br>** | 3,380<br>** | 4,005<br>4,645 | **<br>** | 4,505<br>9,605 | 6,505<br>19,005 | 6,005<br>** | 2,505<br>** |
| Dancers and Choreographers | 4,005<br>** | **<br>** | **<br>** | **<br>** | 3,925<br>** | **<br>** | **<br>** | **<br>** |
| Designers | 13,560<br>16,175 | 6,655<br>** | 14,005<br>16,233 | 11,485<br>15,505 | 12,005<br>15,005 | 10,005<br>14,005 | 10,615<br>15,355 | 13,360<br>** |
| Musicians and Composers | 4,605<br>12,005 | 4,910<br>** | 5,005<br>11,508 | 7,830<br>14,010 | 6,005<br>10,005 | 5,740<br>** | 5,005<br>13,495 | 5,005<br>9,005 |
| Painters and Sculptors | 6,603<br>11,310 | 5,005<br>8,010 | 5,605<br>11,005 | 7,005<br>10,005 | 6,625<br>12,005 | 7,320<br>11,020 | 6,005<br>11,505 | 7,705<br>11,735 |
| Photographers | 8,005<br>11,985 | 8,230<br>13,403 | 8,255<br>12,045 | 8,005<br>12,795 | 7,008<br>10,560 | 10,005<br>14,110 | 7,055<br>14,015 | 9,305<br>10,925 |
| Post-secondary Teachers | 7,505<br>** | 6,005<br>** | 12,293<br>18,535 | 10,855<br>** | 13,655<br>20,005 | 11,005<br>** | 7,005<br>** | 13,708<br>20,665 |
| Artists n.e.c. | 6,405<br>10,005 | 7,205<br>** | 5,865<br>12,005 | 4,148<br>** | 7,105<br>12,735 | 4,005<br>** | 7,005<br>** | 8,595<br>** |
| All Artists | 8,373<br>14,795 | 6,583<br>12,960 | 8,065<br>14,225 | 8,425<br>13,505 | 8,995<br>14,895 | 9,005<br>15,005 | 8,505<br>16,005 | 8,385<br>13,605 |
| All Workers | 10,005<br>14,905 | 8,775<br>15,005 | 10,005<br>14,005 | 8,505<br>12,005 | 9,005<br>13,005 | 9,203<br>12,575 | 9,715<br>15,480 | 9,005<br>14,005 |
| All Managerial Prof. & Tech. | 14,265<br>17,635 | 14,005<br>18,065 | 15,005<br>17,840 | 12,470<br>15,455 | 14,005<br>17,075 | 14,315<br>19,005 | 15,505<br>19,615 | 14,028<br>18,005 |

## Table 12a

## Mean Earnings of Artists for Selected SMSAs (With No Industry Restrictions)

Mean Earnings, 1979
Mean Earnings of Full-time, Full-Year Workers, 1979

| | Anaheim | Atlanta | Baltimore | Boston | Chicago | Cleveland | Dallas | Denver |
|---|---|---|---|---|---|---|---|---|
| Actors and Directors | $16,272<br>** | $17,494<br>** | $18,967<br>20,815 | $10,158<br>14,737 | $15,605<br>25,372 | **<br>** | $19,038<br>22,750 | $10,668<br>** |
| Announcers | **<br>** | 12,094<br>** | **<br>** | 18,088<br>** | 21,795<br>27,918 | **<br>** | 15,610<br>18,563 | **<br>** |
| Architects | 27,603<br>32,252 | 22,461<br>24,729 | 20,035<br>21,199 | 20,547<br>24,573 | 23,186<br>26,071 | 23,291<br>27,984 | 21,836<br>24,984 | 21,495<br>24,766 |
| Authors | 7,604<br>** | 11,261<br>** | **<br>** | 13,508<br>** | 11,566<br>15,388 | **<br>** | 14,793<br>** | 8,099<br>** |
| Dancers and Choreographers | **<br>** | **<br>** | **<br>** | **<br>** | **<br>** | **<br>** | **<br>** | **<br>** |
| Designers | 14,212<br>18,153 | 12,536<br>16,771 | 14,773<br>18,901 | 14,028<br>18,659 | 15,930<br>20,184 | 12,512<br>17,280 | 11,892<br>17,006 | 11,165<br>15,023 |
| Musicians and Composers | 7,242<br>** | 9,190<br>12,255 | 6,556<br>** | 6,605<br>** | 9,540<br>17,375 | 6,023<br>** | 8,797<br>15,001 | 9,263<br>** |
| Painters and Sculptors | 9,785<br>13,958 | 9,793<br>13,558 | 10,219<br>14,569 | 10,224<br>13,774 | 13,175<br>17,385 | 8,800<br>13,010 | 12,133<br>16,276 | 8,152<br>12,200 |
| Photographers | 14,578<br>17,981 | 11,435<br>16,624 | 13,926<br>17,768 | 12,331<br>15,987 | 13,206<br>16,557 | 12,903<br>16,108 | 14,136<br>16,199 | 8,876<br>12,114 |
| Post-secondary Teachers | **<br>** | **<br>** | **<br>** | 10,509<br>** | 12,663<br>** | **<br>** | 13,457<br>** | **<br>** |
| Artists n.e.c. | 9,176<br>** | 10,639<br>** | 6,335<br>** | 8,132<br>** | 10,876<br>16,023 | 9,587<br>** | 10,784<br>** | 12,018<br>** |
| All Artists | 13,932<br>19,762 | 12,647<br>17,274 | 12,921<br>18,025 | 12,640<br>18,552 | 15,021<br>20,314 | 12,314<br>17,555 | 13,313<br>18,524 | 11,776<br>16,670 |
| All Workers | 15,273<br>19,892 | 13,328<br>17,157 | 12,416<br>16,752 | 12,730<br>18,027 | 13,820<br>18,614 | 14,031<br>18,767 | 12,781<br>17,354 | 13,719<br>18,495 |
| All Managerial Prof. & Tech. | 22,710<br>27,378 | 18,975<br>22,313 | 18,838<br>23,191 | 18,314<br>23,413 | 20,971<br>25,410 | 20,343<br>24,414 | 19,347<br>23,370 | 19,696<br>24,677 |

## Table 12a

## Mean Earnings of Artists for Selected SMSAs (With No Industry Restrictions)

Mean Earnings, 1979
Mean Earnings of Full-time, Full-Year Workers, 1979

| | Detroit | Fort Lauderdale | Honolulu | Houston | Las Vegas | Los Angeles | Miami | Milwaukee |
|---|---|---|---|---|---|---|---|---|
| Actors and Directors | $15,876<br>** | **<br>** | **<br>** | $11,133<br>** | **<br>** | $28,205<br>40,359 | $11,336<br>** | **<br>** |
| Announcers | 25,188<br>** | **<br>** | **<br>** | 9,341<br>** | **<br>** | 29,229<br>39,783 | **<br>** | **<br>** |
| Architects | 23,021<br>27,233 | 14,783<br>18,816 | 26,334<br>28,746 | 24,221<br>28,147 | **<br>** | 23,948<br>27,969 | 22,503<br>26,513 | 28,113<br>33,637 |
| Authors | **<br>** | **<br>** | **<br>** | **<br>** | **<br>** | 21,031<br>28,675 | 18,278<br>** | **<br>** |
| Dancers and Choreographers | **<br>** | **<br>** | **<br>** | **<br>** | 13,010<br>** | 7,669<br>** | **<br>** | **<br>** |
| Designers | 20,335<br>25,913 | 11,192<br>13,734 | 11,236<br>15,564 | 13,367<br>17,436 | 15,548<br>** | 14,776<br>19,107 | 11,876<br>15,430 | 14,175<br>19,414 |
| Musicians and Composers | 7,689<br>** | 12,118<br>** | 8,688<br>** | 9,563<br>13,141 | 21,446<br>26,430 | 12,755<br>22,250 | 9,062<br>** | 7,559<br>** |
| Painters and Sculptors | 17,343<br>22,814 | 8,868<br>** | 6,475<br>10,551 | 11,689<br>15,445 | **<br>** | 11,982<br>16,789 | 9,433<br>15,860 | 10,249<br>15,148 |
| Photographers | 15,089<br>22,225 | 10,732<br>** | 9,456<br>** | 12,056<br>15,358 | 8,878<br>** | 16,754<br>23,472 | 12,273<br>15,032 | 12,331<br>** |
| Post-secondary Teachers | **<br>** | **<br>** | **<br>** | **<br>** | 14,148<br>** | 13,660<br>** | **<br>** | **<br>** |
| Artists n.e.c. | 9,358<br>** | 14,103<br>** | 12,027<br>** | 8,153<br>** | **<br>** | 18,121<br>24,487 | 18,227<br>** | **<br>** |
| All Artists | 17,301<br>24,367 | 12,002<br>15,603 | 12,302<br>18,864 | 14,198<br>19,248 | 15,767<br>21,742 | 18,336<br>24,986 | 13,237<br>18,622 | 13,429<br>19,750 |
| All Workers | 14,917<br>20,993 | 11,356<br>16,233 | 12,133<br>15,361 | 14,879<br>19,318 | 11,385<br>16,133 | 13,226<br>17,699 | 12,188<br>15,772 | 13,201<br>18,988 |
| All Managerial Prof. & Tech. | 21,809<br>26,507 | 18,165<br>21,315 | 18,211<br>22,497 | 21,131<br>25,401 | 20,407<br>23,833 | 20,879<br>25,754 | 19,498<br>23,647 | 19,108<br>23,429 |

Table 12a

## Mean Earnings of Artists for Selected SMSAs
## (With No Industry Restrictions)

Mean Earnings, 1979
Mean Earnings of Full-time, Full-Year Workers, 1979

| | Minneapolis | Nashville | Long Island | New York | Newark | Philadelphia | Phoenix | Pittsburgh |
|---|---|---|---|---|---|---|---|---|
| Actors and Directors | $9,295<br>** | **<br>** | $23,451<br>36,169 | $19,725<br>30,446 | $18,209<br>** | $13,599<br>** | **<br>** | **<br>** |
| Announcers | **<br>** | **<br>** | **<br>** | 22,812<br>32,777 | **<br>** | 12,022<br>** | **<br>** | **<br>** |
| Architects | 23,999<br>27,672 | 19,029<br>** | 24,182<br>29,565 | 21,204<br>25,613 | 22,052<br>27,416 | 19,916<br>24,421 | 18,119<br>20,968 | 23,968<br>25,143 |
| Authors | 12,011<br>** | **<br>** | 21,845<br>** | 15,236<br>21,041 | 13,191<br>** | 8,803<br>** | **<br>** | **<br>** |
| Dancers and Choreographers | **<br>** | **<br>** | **<br>** | 9,753<br>16,552 | **<br>** | **<br>** | **<br>** | **<br>** |
| Designers | 13,674<br>17,443 | 9,859<br>14,387 | 18,362<br>22,942 | 17,397<br>21,477 | 16,162<br>20,365 | 14,573<br>18,233 | 13,118<br>16,286 | 12,456<br>17,324 |
| Musicians and Composers | 7,759<br>12,935 | 13,849<br>19,202 | 12,127<br>** | 11,775<br>19,436 | 9,816<br>** | 6,998<br>13,055 | 6,444<br>** | 6,944<br>** |
| Painters and Sculptors | 10,429<br>15,291 | 15,051<br>** | 13,310<br>18,782 | 12,463<br>16,656 | 11,036<br>14,487 | 10,186<br>15,651 | 9,860<br>14,547 | 8,059<br>14,365 |
| Photographers | 10,835<br>14,880 | 11,604<br>14,396 | 14,475<br>19,369 | 14,461<br>18,646 | 12,454<br>15,851 | 11,704<br>16,221 | 9,267<br>11,023 | 12,041<br>15,813 |
| Post-secondary Teachers | **<br>** | **<br>** | **<br>** | 12,773<br>** | **<br>** | 13,303<br>** | **<br>** | **<br>** |
| Artists n.e.c. | 11,959<br>** | **<br>** | 12,038<br>** | 12,341<br>19,435 | 12,081<br>** | 8,721<br>14,041 | 10,372<br>** | **<br>** |
| All Artists | 12,846<br>18,033 | 12,709<br>17,036 | 16,802<br>22,851 | 15,777<br>21,620 | 14,425<br>20,016 | 12,449<br>17,852 | 11,617<br>15,708 | 11,688<br>17,385 |
| All Workers | 14,298<br>19,710 | 12,419<br>16,637 | 14,984<br>20,277 | 13,599<br>17,905 | 14,221<br>19,247 | 13,278<br>18,045 | 11,984<br>17,021 | 13,905<br>19,180 |
| All Managerial Prof. & Tech. | 19,856<br>24,667 | 16,370<br>19,790 | 23,195<br>28,214 | 20,153<br>24,762 | 22,178<br>27,326 | 18,386<br>22,653 | 18,064<br>22,063 | 22,040<br>27,299 |

## Table 12a

### Mean Earnings of Artists for Selected SMSAs
(With No Industry Restrictions)

Mean Earnings, 1979
Mean Earnings of Full-time, Full-Year Workers, 1979

| | Portland | St. Louis | San Diego | San Francisco | San Jose | Seattle | Tampa | Washington DC |
|---|---|---|---|---|---|---|---|---|
| Actors and Directors | **<br>** | **<br>** | $21,842<br>** | $13,541<br>20,872 | **<br>** | $11,517<br>** | **<br>** | $22,658<br>28,223 |
| Announcers | **<br>** | **<br>** | **<br>** | 24,707<br>33,077 | **<br>** | **<br>** | **<br>** | 26,592<br>29,210 |
| Architects | 21,907<br>25,930 | 24,089<br>27,268 | 20,689<br>27,282 | 22,588<br>26,400 | 22,241<br>25,522 | 24,441<br>27,295 | 24,340<br>27,788 | 24,265<br>28,007 |
| Authors | **<br>** | **<br>** | 10,997<br>** | 12,057<br>16,494 | 7,924<br>** | 10,630<br>** | **<br>** | 16,998<br>22,139 |
| Dancers and Choreographers | **<br>** | **<br>** | **<br>** | 8,306<br>** | **<br>** | **<br>** | **<br>** | **<br>** |
| Designers | 12,590<br>17,980 | 11,436<br>15,728 | 10,003<br>14,665 | 12,184<br>16,643 | 15,180<br>19,985 | 12,923<br>17,203 | 10,082<br>14,047 | 14,985<br>19,080 |
| Musicians and Composers | 5,965<br>** | 6,664<br>** | 6,349<br>** | 8,698<br>14,379 | 8,701<br>** | 7,397<br>** | 6,820<br>** | 8,805<br>12,791 |
| Painters and Sculptors | 8,866<br>13,725 | 12,242<br>17,942 | 8,921<br>13,237 | 10,633<br>13,967 | 10,027<br>15,082 | 11,055<br>15,931 | 8,929<br>12,298 | 12,162<br>16,743 |
| Photographers | 10,331<br>15,081 | 14,410<br>19,101 | 8,539<br>12,596 | 12,475<br>15,603 | 12,326<br>15,643 | 12,462<br>17,334 | 9,769<br>** | 14,529<br>18,398 |
| Post-secondary Teachers | **<br>** | **<br>** | **<br>** | 11,241<br>** | **<br>** | 8,990<br>** | **<br>** | 14,690<br>** |
| Artists n.e.c. | 7,381<br>** | **<br>** | 7,743<br>** | 8,674<br>** | **<br>** | 9,465<br>** | 7,609<br>** | 11,304<br>19,217 |
| All Artists | 11,699<br>17,780 | 13,037<br>19,072 | 11,340<br>17,343 | 13,236<br>19,092 | 13,614<br>19,966 | 13,423<br>19,355 | 10,575<br>15,857 | 16,139<br>21,487 |
| All Workers | 11,520<br>16,570 | 13,180<br>17,371 | 11,540<br>14,779 | 14,767<br>19,555 | 14,152<br>20,078 | 13,801<br>19,829 | 11,096<br>15,287 | 15,288<br>20,227 |
| All Managerial Prof. & Tech. | 18,308<br>23,561 | 19,117<br>24,463 | 17,807<br>22,176 | 19,576<br>24,559 | 22,577<br>27,200 | 20,258<br>25,793 | 15,139<br>18,822 | 21,175<br>25,573 |

Table 12b

## Median Earnings of Artists for Selected SMSAs
(With No Industry Restrictions)

Median Earnings, 1979
Median Earnings of Full-time, Full-Year Workers, 1979

| | Anaheim | Atlanta | Baltimore | Boston | Chicago | Cleveland | Dallas | Denver |
|---|---|---|---|---|---|---|---|---|
| Actors and Directors | $10,005<br>** | $15,005<br>** | $15,905<br>16,995 | $7,328<br>15,005 | $10,100<br>18,705 | **<br>** | $14,865<br>18,508 | $6,505<br>** |
| Announcers | **<br>** | 7,205<br>** | **<br>** | 8,005<br>** | 15,010<br>21,005 | **<br>** | 11,735<br>13,005 | **<br>** |
| Architects | 20,260<br>23,005 | 20,208<br>22,005 | 18,005<br>18,835 | 18,005<br>20,005 | 20,005<br>22,275 | 20,365<br>24,255 | 18,058<br>20,005 | 18,965<br>20,005 |
| Authors | 4,055<br>** | 7,755<br>** | **<br>** | 4,720<br>** | 8,035<br>14,140 | **<br>** | 6,045<br>** | 6,380<br>** |
| Dancers and Choreographers | **<br>** | **<br>** | **<br>** | **<br>** | **<br>** | **<br>** | **<br>** | **<br>** |
| Designers | 12,005<br>17,005 | 10,040<br>14,555 | 12,005<br>15,605 | 13,095<br>17,005 | 14,945<br>18,505 | 12,005<br>16,005 | 10,005<br>15,005 | 8,505<br>14,005 |
| Musicians and Composers | 5,405<br>** | 7,255<br>11,005 | 4,685<br>** | 3,620<br>** | 5,005<br>14,695 | 4,005<br>** | 5,615<br>10,005 | 4,685<br>** |
| Painters and Sculptors | 8,005<br>12,455 | 8,505<br>12,005 | 9,455<br>13,805 | 8,005<br>12,005 | 10,105<br>14,045 | 7,108<br>11,985 | 10,005<br>14,900 | 6,005<br>10,005 |
| Photographers | 12,505<br>15,005 | 8,005<br>11,485 | 11,905<br>13,305 | 10,005<br>12,360 | 11,010<br>15,505 | 10,005<br>15,005 | 10,005<br>11,005 | 6,430<br>11,005 |
| Post-secondary Teachers | **<br>** | **<br>** | **<br>** | 10,105<br>** | 12,343<br>** | **<br>** | 10,005<br>** | **<br>** |
| Artists n.e.c. | 6,125<br>** | 7,005<br>** | 4,505<br>** | 5,145<br>** | 7,760<br>17,005 | 8,005<br>** | 8,500<br>** | 6,905<br>** |
| All Artists | 10,005<br>16,415 | 10,005<br>15,005 | 10,005<br>15,505 | 10,005<br>16,005 | 12,005<br>18,005 | 9,255<br>15,505 | 10,005<br>15,005 | 8,005<br>14,405 |
| All Workers | 12,005<br>15,705 | 10,005<br>13,360 | 10,005<br>14,495 | 10,005<br>15,005 | 10,925<br>15,080 | 10,505<br>16,005 | 10,005<br>14,005 | 10,545<br>15,005 |
| All Managerial Prof. & Tech. | 18,300<br>22,005 | 14,555<br>16,875 | 15,050<br>18,605 | 15,005<br>19,005 | 16,705<br>20,005 | 16,005<br>19,005 | 15,005<br>18,005 | 15,265<br>20,005 |

## Table 12b

## Median Earnings of Artists for Selected SMSAs
(With No Industry Restrictions)

Median Earnings, 1979
Median Earnings of Full-time, Full-Year Workers, 1979

| | Detroit | Fort Lauderdale | Honolulu | Houston | Las Vegas | Los Angeles | Miami | Milwaukee |
|---|---|---|---|---|---|---|---|---|
| Actors and Directors | $11,005<br>** | **<br>** | **<br>** | $10,005<br>** | **<br>** | $13,920<br>24,858 | $10,005<br>** | **<br>** |
| Announcers | 11,275<br>** | **<br>** | **<br>** | 7,505<br>** | **<br>** | 15,973<br>30,008 | **<br>** | **<br>** |
| Architects | 20,905<br>22,825 | 13,005<br>17,305 | 21,685<br>24,005 | 20,005<br>21,465 | **<br>** | 20,440<br>23,605 | 20,005<br>22,625 | 20,675<br>23,833 |
| Authors | **<br>** | **<br>** | **<br>** | **<br>** | **<br>** | 10,005<br>16,258 | 7,455<br>** | **<br>** |
| Dancers and Choreographers | **<br>** | **<br>** | **<br>** | **<br>** | 11,505<br>** | 6,005<br>** | **<br>** | **<br>** |
| Designers | 20,005<br>25,495 | 8,845<br>12,505 | 9,005<br>14,125 | 11,005<br>16,350 | 10,005<br>** | 11,705<br>17,005 | 9,005<br>12,005 | 13,715<br>18,505 |
| Musicians and Composers | 5,115<br>** | 8,110<br>** | 7,040<br>** | 7,605<br>12,005 | 19,383<br>28,255 | 6,760<br>12,005 | 5,900<br>** | 4,325<br>** |
| Painters and Sculptors | 16,025<br>22,005 | 6,505<br>** | 5,005<br>9,885 | 9,493<br>13,665 | **<br>** | 10,005<br>14,705 | 5,725<br>12,120 | 9,315<br>15,005 |
| Photographers | 10,005<br>17,105 | 9,885<br>** | 8,905<br>** | 11,605<br>14,065 | 7,005<br>** | 11,360<br>17,005 | 9,650<br>12,505 | 11,005<br>** |
| Post-secondary Teachers | **<br>** | **<br>** | **<br>** | **<br>** | 12,005<br>** | 10,475<br>** | **<br>** | **<br>** |
| Artists n.e.c. | 5,185<br>** | 8,845<br>** | 6,690<br>** | 3,595<br>** | **<br>** | 11,005<br>17,165 | 10,005<br>** | **<br>** |
| All Artists | 14,005<br>23,005 | 9,005<br>13,005 | 8,505<br>15,248 | 11,965<br>17,005 | 11,070<br>16,455 | 11,005<br>18,005 | 9,005<br>14,405 | 11,005<br>17,505 |
| All Workers | 12,005<br>18,445 | 8,165<br>12,185 | 10,005<br>12,985 | 12,005<br>16,505 | 8,645<br>12,835 | 10,005<br>14,255 | 8,805<br>11,225 | 10,355<br>16,155 |
| All Managerial Prof. & Tech. | 18,545<br>22,505 | 14,605<br>16,885 | 15,925<br>18,005 | 16,140<br>20,005 | 16,325<br>18,005 | 16,005<br>20,005 | 14,285<br>17,005 | 16,005<br>19,005 |

## Table 12b

### Median Earnings of Artists for Selected SMSAs
(With No Industry Restrictions)

Median Earnings, 1979
Median Earnings of Full-time, Full-Year Workers, 1979

| | Minneapolis | Nashville | Long Island | New York | Newark | Philadelphia | Phoenix | Pittsburgh |
|---|---|---|---|---|---|---|---|---|
| Actors and Directors | $6,895<br>** | **<br>** | $12,505<br>23,505 | $11,965<br>21,010 | $13,005<br>** | $10,775<br>** | **<br>** | **<br>** |
| Announcers | **<br>** | **<br>** | **<br>** | 8,165<br>17,005 | **<br>** | 7,255<br>** | **<br>** | **<br>** |
| Architects | 19,305<br>22,905 | 13,645<br>** | 22,265<br>25,005 | 19,005<br>21,005 | 20,745<br>24,065 | 18,010<br>22,288 | 19,010<br>20,005 | 17,833<br>17,833 |
| Authors | 9,130<br>** | **<br>** | 9,175<br>** | 9,005<br>14,005 | 10,805<br>** | 5,205<br>** | **<br>** | **<br>** |
| Dancers and Choreographers | **<br>** | **<br>** | **<br>** | 7,055<br>15,005 | **<br>** | **<br>** | **<br>** | **<br>** |
| Designers | 12,010<br>16,005 | 7,380<br>12,005 | 15,005<br>18,605 | 14,005<br>18,005 | 14,505<br>18,005 | 12,505<br>16,305 | 11,505<br>16,005 | 9,885<br>15,775 |
| Musicians and Composers | 5,005<br>12,005 | 9,480<br>15,085 | 6,755<br>** | 7,255<br>13,505 | 6,005<br>** | 4,005<br>12,005 | 4,155<br>** | 3,255<br>** |
| Painters and Sculptors | 8,015<br>13,005 | 10,005<br>** | 10,005<br>15,045 | 10,005<br>13,005 | 8,005<br>10,555 | 7,930<br>14,005 | 7,505<br>11,605 | 7,175<br>12,135 |
| Photographers | 9,455<br>14,005 | 12,755<br>16,005 | 11,253<br>15,655 | 10,005<br>15,005 | 10,505<br>15,405 | 10,005<br>14,505 | 7,630<br>10,805 | 10,005<br>16,858 |
| Post-secondary Teachers | **<br>** | **<br>** | **<br>** | 12,285<br>** | **<br>** | 12,430<br>** | **<br>** | **<br>** |
| Artists n.e.c. | 9,005<br>** | **<br>** | 7,925<br>** | 8,180<br>16,205 | 12,005<br>** | 7,005<br>14,505 | 8,005<br>** | **<br>** |
| All Artists | 10,005<br>15,805 | 9,445<br>14,005 | 12,005<br>18,100 | 11,005<br>17,005 | 12,005<br>18,005 | 10,005<br>15,845 | 9,005<br>14,505 | 9,000<br>15,405 |
| All Workers | 10,715<br>16,005 | 9,095<br>13,265 | 12,005<br>17,005 | 10,260<br>14,005 | 10,925<br>15,325 | 10,925<br>15,005 | 9,025<br>15,005 | 11,005<br>16,505 |
| All Managerial Prof. & Tech. | 16,505<br>19,965 | 13,735<br>16,590 | 18,505<br>22,005 | 16,005<br>19,505 | 17,205<br>21,945 | 15,305<br>19,005 | 14,805<br>17,795 | 16,905<br>19,930 |

## Table 12b

## Median Earnings of Artists for Selected SMSAs
(With No Industry Restrictions)

Median Earnings, 1979
Median Earnings of Full-time, Full-Year Workers, 1979

| | Portland | St. Louis | San Diego | San Francisco | San Jose | Seattle | Tampa | Washington DC |
|---|---|---|---|---|---|---|---|---|
| Actors and Directors | **<br>** | **<br>** | $10,505<br>** | $9,005<br>15,305 | **<br>** | $9,455<br>** | **<br>** | $19,070<br>23,255 |
| Announcers | **<br>** | **<br>** | **<br>** | 21,625<br>28,795 | **<br>** | **<br>** | **<br>** | 23,625<br>24,525 |
| Architects | 18,050<br>22,035 | 20,005<br>20,805 | 16,005<br>19,895 | 20,005<br>21,325 | 20,255<br>22,343 | 20,005<br>22,145 | 18,505<br>21,005 | 20,005<br>24,005 |
| Authors | **<br>** | **<br>** | 3,993<br>** | 6,005<br>12,505 | 4,345<br>** | 8,130<br>** | **<br>** | 12,755<br>20,005 |
| Dancers and Choreographers | **<br>** | **<br>** | **<br>** | 3,905<br>** | **<br>** | **<br>** | **<br>** | **<br>** |
| Designers | 9,555<br>15,005 | 9,570<br>13,005 | 7,730<br>13,808 | 10,055<br>15,085 | 13,755<br>20,005 | 11,790<br>15,148 | 6,905<br>12,005 | 12,005<br>16,010 |
| Musicians and Composers | 4,255<br>** | 4,005<br>** | 5,755<br>** | 5,005<br>7,158 | 6,755<br>** | 5,105<br>** | 5,005<br>** | 5,375<br>12,005 |
| Painters and Sculptors | 6,005<br>12,005 | 10,005<br>15,005 | 5,355<br>10,005 | 7,333<br>12,005 | 9,105<br>16,125 | 9,005<br>14,505 | 8,005<br>10,670 | 10,005<br>14,045 |
| Photographers | 8,005<br>13,605 | 11,535<br>16,005 | 6,608<br>11,255 | 10,005<br>15,170 | 11,005<br>16,510 | 10,005<br>16,755 | 5,380<br>** | 13,005<br>16,940 |
| Post-secondary Teachers | **<br>** | **<br>** | **<br>** | 7,118<br>** | **<br>** | 7,535<br>** | **<br>** | 14,050<br>** |
| Artists n.e.c. | 5,505<br>** | **<br>** | 5,005<br>** | 5,620<br>** | **<br>** | 6,005<br>** | 6,005<br>** | 7,750<br>15,005 |
| All Artists | 8,623<br>14,705 | 10,005<br>15,048 | 7,378<br>14,005 | 9,815<br>16,005 | 11,005<br>19,005 | 10,048<br>17,055 | 7,525<br>12,615 | 13,005<br>18,005 |
| All Workers | 9,960<br>15,005 | 10,005<br>14,550 | 8,840<br>12,005 | 11,895<br>15,200 | 11,045<br>17,505 | 10,300<br>16,405 | 8,040<br>11,965 | 12,005<br>16,505 |
| All Managerial Prof. & Tech. | 16,005<br>20,005 | 14,905<br>17,915 | 14,705<br>18,905 | 16,490<br>20,005 | 20,005<br>24,005 | 16,755<br>21,860 | 12,005<br>15,275 | 17,955<br>21,785 |

### Table 13a

### Mean Earnings of Artists for Selected SMSAs
(With Industry Restrictions)

Mean Earnings, 1979
Mean Earnings of Full-time, Full-Year Workers, 1979

| | Anaheim | Atlanta | Baltimore | Boston | Chicago | Cleveland | Dallas | Denver |
|---|---|---|---|---|---|---|---|---|
| Actors and Directors | $14,132<br>** | $17,620<br>** | **<br>** | $10,143<br>** | $14,487<br>23,916 | **<br>** | $20,094<br>23,380 | $10,766<br>** |
| Announcers | **<br>** | **<br>** | **<br>** | **<br>** | 23,292<br>29,025 | **<br>** | 17,283<br>** | **<br>** |
| Architects | 31,979<br>35,846 | 23,007<br>25,831 | 20,996<br>20,932 | 21,023<br>24,323 | 25,520<br>27,369 | 26,910<br>29,210 | 24,606<br>27,107 | 23,901<br>26,446 |
| Authors | 7,872<br>** | **<br>** | **<br>** | 13,814<br>** | 10,842<br>14,281 | **<br>** | **<br>** | 7,519<br>** |
| Dancers and Choreographers | **<br>** | **<br>** | **<br>** | **<br>** | **<br>** | **<br>** | **<br>** | **<br>** |
| Designers | 13,846<br>14,937 | **<br>** | 15,625<br>** | 12,611<br>18,785 | 19,177<br>21,613 | 14,501<br>** | 15,056<br>19,907 | **<br>** |
| Musicians and Composers | 7,890<br>** | 10,871<br>** | 7,402<br>** | 6,735<br>** | 11,252<br>17,184 | 6,141<br>** | 9,835<br>16,700 | 11,048<br>** |
| Painters and Sculptors | 8,810<br>12,983 | 9,119<br>13,669 | 7,803<br>12,691 | 10,445<br>13,778 | 13,158<br>17,590 | 8,880<br>13,561 | 11,072<br>16,243 | 7,616<br>11,414 |
| Photographers | 13,205<br>16,862 | 11,222<br>16,314 | 12,107<br>17,101 | 12,285<br>16,634 | 13,275<br>16,557 | 12,794<br>15,570 | 14,551<br>17,285 | 7,654<br>10,628 |
| Post-secondary Teachers | **<br>** | **<br>** | **<br>** | 10,681<br>** | 12,572<br>** | **<br>** | 13,457<br>** | **<br>** |
| Artists n.e.c. | 9,096<br>** | 9,772<br>** | **<br>** | 8,518<br>** | 11,849<br>** | **<br>** | 10,432<br>** | 11,804<br>** |
| All Artists | 13,659<br>20,651 | 12,888<br>17,945 | 12,207<br>17,301 | 12,386<br>18,836 | 15,726<br>21,075 | 12,834<br>18,629 | 14,715<br>20,706 | 12,312<br>17,341 |
| All Workers | 15,273<br>19,892 | 13,328<br>17,157 | 12,416<br>16,752 | 12,730<br>18,027 | 13,820<br>18,614 | 14,031<br>18,767 | 12,781<br>17,354 | 13,719<br>18,495 |
| All Managerial Prof. & Tech. | 22,710<br>27,378 | 18,975<br>22,313 | 18,838<br>23,191 | 18,314<br>23,413 | 20,971<br>25,410 | 20,343<br>24,414 | 19,347<br>23,370 | 19,696<br>24,677 |

# Table 13a

## Mean Earnings of Artists for Selected SMSAs (With Industry Restrictions)

Mean Earnings, 1979
Mean Earnings of Full-time, Full-Year Workers, 1979

| | Detroit | Fort Lauderdale | Honolulu | Houston | Las Vegas | Los Angeles | Miami | Milwaukee |
|---|---|---|---|---|---|---|---|---|
| Actors and Directors | $15,447<br>** | **<br>** | **<br>** | $11,424<br>** | **<br>** | $28,476<br>41,279 | $10,774<br>** | **<br>** |
| Announcers | **<br>** | **<br>** | **<br>** | **<br>** | **<br>** | 33,460<br>44,252 | **<br>** | **<br>** |
| Architects | 27,542<br>28,293 | 15,045<br>** | 28,751<br>31,518 | 26,548<br>29,091 | **<br>** | 25,711<br>29,255 | 24,356<br>29,227 | **<br>** |
| Authors | **<br>** | **<br>** | **<br>** | **<br>** | **<br>** | 21,552<br>29,911 | **<br>** | **<br>** |
| Dancers and Choreographers | **<br>** | **<br>** | **<br>** | **<br>** | 13,010<br>** | 7,455<br>** | **<br>** | **<br>** |
| Designers | 20,549<br>24,661 | **<br>** | **<br>** | 12,850<br>** | **<br>** | 19,040<br>22,482 | **<br>** | **<br>** |
| Musicians and Composers | 8,724<br>** | 13,442<br>** | 9,679<br>** | 10,940<br>** | 22,198<br>26,324 | 13,705<br>22,833 | 9,046<br>** | 8,448<br>** |
| Painters and Sculptors | 15,619<br>23,250 | 9,793<br>** | 6,496<br>** | 12,332<br>16,194 | **<br>** | 12,317<br>17,591 | 9,061<br>** | 10,861<br>15,058 |
| Photographers | 14,240<br>22,103 | **<br>** | 9,432<br>** | 12,530<br>15,181 | **<br>** | 17,172<br>24,433 | 11,944<br>15,241 | 14,225<br>** |
| Post-secondary Teachers | **<br>** | **<br>** | **<br>** | **<br>** | | 13,977<br>** | **<br>** | **<br>** |
| Artists n.e.c. | 8,335<br>** | 15,488<br>** | **<br>** | **<br>** | 14,148<br>** | 20,101<br>24,655 | 21,837<br>** | **<br>** |
| All Artists | 15,185<br>23,203 | 12,649<br>17,225 | 13,144<br>20,205 | 15,876<br>21,032 | 15,066<br>19,644 | 20,466<br>28,538 | 13,844<br>20,512 | 13,642<br>19,587 |
| All Workers | 14,917<br>20,993 | 11,356<br>16,233 | 12,133<br>15,361 | 14,879<br>19,318 | 11,385<br>16,133 | 13,226<br>17,699 | 12,188<br>15,772 | 13,201<br>18,988 |
| All Managerial Prof. & Tech. | 21,809<br>26,507 | 18,165<br>21,315 | 18,211<br>22,497 | 21,131<br>25,401 | 20,407<br>23,833 | 20,879<br>25,754 | 19,498<br>23,647 | 19,108<br>23,429 |

## Table 13a

### Mean Earnings of Artists for Selected SMSAs
(With Industry Restrictions)

Mean Earnings, 1979
Mean Earnings of Full-time, Full-Year Workers, 1979

| | Minneapolis | Nashville | Long Island | New York | Newark | Philadelphia | Phoenix | Pittsburgh |
|---|---|---|---|---|---|---|---|---|
| Actors and Directors | $8,972<br>** | **<br>** | $22,322<br>34,317 | $20,057<br>30,986 | **<br>** | $13,643<br>** | **<br>** | **<br>** |
| Announcers | **<br>** | **<br>** | **<br>** | 24,884<br>** | **<br>** | 12,515<br>** | **<br>** | **<br>** |
| Architects | 25,579<br>28,772 | **<br>** | 25,647<br>33,101 | 21,812<br>25,899 | 21,689<br>** | 20,639<br>24,003 | 20,631<br>22,582 | 30,766<br>29,786 |
| Authors | 11,866<br>** | **<br>** | 22,074<br>** | 14,974<br>20,475 | 10,265<br>** | 7,907<br>** | **<br>** | **<br>** |
| Dancers and Choreographers | **<br>** | **<br>** | **<br>** | 9,194<br>14,695 | **<br>** | **<br>** | **<br>** | **<br>** |
| Designers | 17,554<br>** | **<br>** | 21,495<br>25,677 | 18,850<br>23,092 | 16,705<br>19,011 | 17,501<br>19,084 | **<br>** | 14,137<br>** |
| Musicians and Composers | 8,794<br>13,024 | 14,201<br>18,914 | 13,956<br>** | 12,047<br>19,797 | 11,337<br>** | 7,991<br>13,210 | 6,673<br>** | 10,208<br>** |
| Painters and Sculptors | 10,293<br>15,848 | **<br>** | 13,271<br>19,102 | 12,520<br>16,658 | 10,687<br>13,699 | 9,577<br>15,372 | 9,235<br>** | 7,528<br>** |
| Photographers | 10,785<br>14,829 | 11,136<br>** | 14,967<br>19,227 | 14,592<br>19,126 | 11,287<br>** | 11,280<br>15,693 | 9,297<br>10,871 | 10,850<br>14,846 |
| Post-secondary Teachers | **<br>** | **<br>** | **<br>** | 12,565<br>** | **<br>** | 13,836<br>** | **<br>** | **<br>** |
| Artists n.e.c. | **<br>** | **<br>** | 14,928<br>** | 12,243<br>17,816 | **<br>** | 6,902<br>** | 11,461<br>** | **<br>** |
| All Artists | 13,035<br>19,354 | 13,497<br>16,723 | 17,306<br>24,003 | 15,899<br>22,290 | 13,146<br>18,528 | 11,951<br>17,503 | 11,185<br>15,124 | 12,722<br>18,928 |
| All Workers | 14,298<br>19,710 | 12,419<br>16,637 | 14,984<br>20,277 | 13,599<br>17,905 | 14,221<br>19,247 | 13,278<br>18,045 | 11,984<br>17,021 | 13,905<br>19,180 |
| All Managerial Prof. & Tech. | 19,856<br>24,667 | 16,370<br>19,790 | 23,195<br>28,214 | 20,153<br>24,762 | 22,178<br>27,326 | 18,386<br>22,653 | 18,064<br>22,063 | 22,040<br>27,299 |

## Table 13a

### Mean Earnings of Artists for Selected SMSAs
(With Industry Restrictions)

Mean Earnings, 1979
Mean Earnings of Full-time, Full-Year Workers, 1979

| | Portland | St. Louis | San Diego | San Francisco | San Jose | Seattle | Tampa | Washington DC |
|---|---|---|---|---|---|---|---|---|
| Actors and Directors | **<br>** | **<br>** | $21,753<br>** | $13,535<br>21,299 | **<br>** | $11,481<br>** | **<br>** | $20,927<br>28,222 |
| Announcers | **<br>** | **<br>** | **<br>** | 26,290<br>34,267 | **<br>** | **<br>** | **<br>** | 29,666<br>30,174 |
| Architects | 24,771<br>28,203 | 25,855<br>28,109 | 22,329<br>28,447 | 23,223<br>26,408 | 25,786<br>27,055 | 24,403<br>27,334 | 31,698<br>** | 25,174<br>28,576 |
| Authors | **<br>** | **<br>** | 9,749<br>** | 11,534<br>15,962 | **<br>** | 10,916<br>** | **<br>** | 14,719<br>20,284 |
| Dancers and Choreographers | **<br>** | **<br>** | **<br>** | 8,623<br>** | **<br>** | **<br>** | **<br>** | **<br>** |
| Designers | **<br>** | **<br>** | 10,370<br>** | 12,678<br>16,723 | **<br>** | 14,368<br>** | **<br>** | 14,817<br>17,015 |
| Musicians and Composers | 7,197<br>** | 7,125<br>** | 6,405<br>** | 9,725<br>15,379 | 9,974<br>** | 8,148<br>** | 8,059<br>** | 10,721<br>** |
| Painters and Sculptors | 7,996<br>** | 12,413<br>20,498 | 8,667<br>13,194 | 10,867<br>13,876 | 8,627<br>13,006 | 9,713<br>14,861 | 8,295<br>11,436 | 9,915<br>15,279 |
| Photographers | 10,618<br>** | 14,298<br>20,452 | 7,149<br>** | 12,742<br>16,074 | 11,592<br>** | 12,321<br>17,357 | 10,227<br>** | 13,949<br>18,993 |
| Post-secondary Teachers | **<br>** | **<br>** | **<br>** | 11,241<br>** | **<br>** | **<br>** | **<br>** | **<br>** |
| Artists n.e.c. | **<br>** | **<br>** | 7,989<br>** | 9,198<br>** | **<br>** | **<br>** | 7,233<br>** | 8,729<br>** |
| All Artists | 11,813<br>17,886 | 14,238<br>22,359 | 11,543<br>17,888 | 13,872<br>20,175 | 12,207<br>18,492 | 13,706<br>20,405 | 11,528<br>17,286 | 15,959<br>22,044 |
| All Workers | 11,520<br>16,570 | 13,180<br>17,371 | 11,540<br>14,779 | 14,767<br>19,555 | 14,152<br>20,078 | 13,801<br>19,829 | 11,096<br>15,287 | 15,288<br>20,227 |
| All Managerial Prof. & Tech. | 18,308<br>23,561 | 19,117<br>24,463 | 17,807<br>22,176 | 19,576<br>24,559 | 22,577<br>27,200 | 20,258<br>25,793 | 15,139<br>18,822 | 21,175<br>25,573 |

Table 13b

## Median Earnings of Artists for Selected SMSAs (With Industry Restrictions)

Median Earnings, 1979
Median Earnings of Full-time, Full-Year Workers, 1979

| | Anaheim | Atlanta | Baltimore | Boston | Chicago | Cleveland | Dallas | Denver |
|---|---|---|---|---|---|---|---|---|
| Actors and Directors | $9,510<br>** | $15,005<br>** | **<br>** | $7,150<br>** | $8,825<br>18,505 | **<br>** | $16,505<br>18,510 | $7,360<br>** |
| Announcers | **<br>** | **<br>** | **<br>** | **<br>** | 15,405<br>20,005 | **<br>** | 13,005<br>** | **<br>** |
| Architects | 22,005<br>25,255 | 20,410<br>22,005 | 18,005<br>18,488 | 18,005<br>20,005 | 21,035<br>23,405 | 23,105<br>26,005 | 19,005<br>20,005 | 19,680<br>22,005 |
| Authors | 3,615<br>** | **<br>** | **<br>** | 5,005<br>** | 6,705<br>12,005 | **<br>** | **<br>** | 6,005<br>** |
| Dancers and Choreographers | **<br>** | **<br>** | **<br>** | **<br>** | **<br>** | **<br>** | **<br>** | **<br>** |
| Designers | 12,005<br>13,005 | **<br>** | 15,005<br>** | 10,255<br>17,983 | 18,005<br>19,245 | 14,005<br>** | 13,005<br>16,005 | **<br>** |
| Musicians and Composers | 7,005<br>** | 8,405<br>** | 5,755<br>** | 3,620<br>** | 6,830<br>14,005 | 3,968<br>** | 6,005<br>9,505 | 5,255<br>** |
| Painters and Sculptors | 7,128<br>10,005 | 6,010<br>11,005 | 5,445<br>12,005 | 8,255<br>11,855 | 9,945<br>14,005 | 6,958<br>12,195 | 9,005<br>15,505 | 5,555<br>9,380 |
| Photographers | 12,005<br>14,255 | 8,005<br>11,005 | 10,005<br>12,505 | 8,255<br>10,255 | 11,005<br>15,005 | 10,005<br>11,585 | 9,085<br>10,778 | 5,005<br>10,405 |
| Post-secondary Teachers | **<br>** | **<br>** | **<br>** | 10,733<br>** | 10,710<br>** | **<br>** | 10,005<br>** | **<br>** |
| Artists n.e.c. | 6,440<br>** | 6,005<br>** | **<br>** | 5,145<br>** | 6,255<br>** | **<br>** | 8,405<br>** | 7,505<br>** |
| All Artists | 9,605<br>15,005 | 9,765<br>15,555 | 9,255<br>15,705 | 8,418<br>15,005 | 12,005<br>18,005 | 9,590<br>15,785 | 11,000<br>16,005 | 8,005<br>14,005 |
| All Workers | 12,005<br>15,705 | 10,005<br>13,360 | 10,005<br>14,495 | 10,005<br>15,005 | 10,925<br>15,080 | 10,505<br>16,005 | 10,005<br>14,005 | 10,545<br>15,005 |
| All Managerial Prof. & Tech. | 18,300<br>22,005 | 14,555<br>16,875 | 15,050<br>18,605 | 15,005<br>19,005 | 16,705<br>20,005 | 16,005<br>19,005 | 15,005<br>18,005 | 15,265<br>20,005 |

## Table 13b

## Median Earnings of Artists for Selected SMSAs
(With Industry Restrictions)

Median Earnings, 1979
Median Earnings of Full-time, Full-Year Workers, 1979

| | Detroit | Fort Lauderdale | Honolulu | Houston | Las Vegas | Los Angeles | Miami | Milwaukee |
|---|---|---|---|---|---|---|---|---|
| Actors and Directors | $10,505<br>** | **<br>** | **<br>** | $10,205<br>** | **<br>** | $14,005<br>24,993 | $10,005<br>** | **<br>** |
| Announcers | **<br>** | **<br>** | **<br>** | **<br>** | **<br>** | 21,005<br>38,173 | **<br>** | **<br>** |
| Architects | 22,470<br>22,645 | 14,390<br>** | 24,005<br>24,445 | 20,005<br>21,465 | **<br>** | 21,858<br>24,445 | 22,005<br>23,505 | **<br>** |
| Authors | **<br>** | **<br>** | **<br>** | **<br>** | **<br>** | 10,005<br>15,005 | **<br>** | **<br>** |
| Dancers and Choreographers | **<br>** | **<br>** | **<br>** | **<br>** | 11,505<br>** | 6,005<br>** | **<br>** | **<br>** |
| Designers | 19,465<br>22,365 | **<br>** | **<br>** | 14,005<br>** | **<br>** | 14,005<br>18,005 | **<br>** | **<br>** |
| Musicians and Composers | 5,780<br>** | 9,005<br>** | 7,755<br>** | 10,005<br>** | 21,295<br>28,005 | 7,008<br>10,510 | 5,780<br>** | 5,005<br>** |
| Painters and Sculptors | 11,505<br>19,755 | 7,005<br>** | 5,005<br>** | 9,865<br>14,505 | **<br>** | 10,005<br>14,200 | 4,905<br>** | 10,315<br>15,140 |
| Photographers | 8,755<br>15,305 | **<br>** | 9,005<br>** | 12,005<br>14,045 | **<br>** | 11,005<br>17,165 | 9,130<br>12,505 | 13,508<br>** |
| Post-secondary Teachers | **<br>** | **<br>** | **<br>** | **<br>** | | 10,618<br>** | **<br>** | **<br>** |
| Artists n.e.c. | 5,205<br>** | 9,005<br>** | **<br>** | **<br>** | 12,005<br>** | 12,005<br>18,755 | 11,660<br>** | **<br>** |
| All Artists | 10,795<br>19,010 | 9,005<br>13,005 | 9,005<br>15,703 | 13,005<br>17,895 | 12,005<br>17,145 | 11,505<br>19,110 | 9,130<br>15,005 | 10,905<br>15,905 |
| All Workers | 12,005<br>18,445 | 8,165<br>12,185 | 10,005<br>12,985 | 12,005<br>16,505 | 8,645<br>12,835 | 10,005<br>14,255 | 8,805<br>11,225 | 10,355<br>16,155 |
| All Managerial Prof. & Tech. | 18,545<br>22,505 | 14,605<br>16,885 | 15,925<br>18,005 | 16,140<br>20,005 | 16,325<br>18,005 | 16,005<br>20,005 | 14,285<br>17,005 | 16,005<br>19,005 |

Table 13b

### Median Earnings of Artists for Selected SMSAs (With Industry Restrictions)

Median Earnings, 1979
Median Earnings of Full-time, Full-Year Workers, 1979

| | Minneapolis | Nashville | Long Island | New York | Newark | Philadelphia | Phoenix | Pittsburgh |
|---|---|---|---|---|---|---|---|---|
| Actors and Directors | $6,895<br>** | **<br>** | $11,258<br>23,005 | $12,005<br>22,185 | **<br>** | $10,755<br>** | **<br>** | **<br>** |
| Announcers | **<br>** | **<br>** | **<br>** | 12,005<br>** | **<br>** | 6,765<br>** | **<br>** | **<br>** |
| Architects | 18,005<br>22,058 | **<br>** | 22,265<br>25,005 | 19,305<br>21,005 | 21,375<br>** | 19,505<br>20,858 | 20,005<br>20,005 | 23,505<br>22,555 |
| Authors | 8,705<br>** | **<br>** | 8,425<br>** | 8,385<br>13,645 | 7,005<br>** | 5,005<br>** | **<br>** | **<br>** |
| Dancers and Choreographers | **<br>** | **<br>** | **<br>** | 7,005<br>13,025 | **<br>** | **<br>** | **<br>** | **<br>** |
| Designers | 16,005<br>** | **<br>** | 16,505<br>19,005 | 15,005<br>18,430 | 13,835<br>16,505 | 15,605<br>16,483 | **<br>** | 13,005<br>** |
| Musicians and Composers | 6,180<br>11,005 | 10,005<br>15,085 | 7,195<br>** | 7,215<br>14,005 | 9,005<br>** | 5,380<br>11,508 | 4,155<br>** | 6,358<br>** |
| Painters and Sculptors | 7,585<br>13,005 | **<br>** | 10,005<br>15,005 | 9,580<br>13,005 | 6,610<br>10,205 | 6,505<br>12,185 | 7,255<br>** | 6,005<br>** |
| Photographers | 8,510<br>11,575 | 12,005<br>** | 12,005<br>15,605 | 9,880<br>15,005 | 10,005<br>** | 9,555<br>12,940 | 6,880<br>10,005 | 8,085<br>12,045 |
| Post-secondary Teachers | **<br>** | **<br>** | **<br>** | 12,260<br>** | **<br>** | 13,218<br>** | **<br>** | **<br>** |
| Artists n.e.c. | **<br>** | **<br>** | 10,005<br>** | 9,005<br>16,505 | **<br>** | 4,005<br>** | 9,575<br>** | **<br>** |
| All Artists | 9,885<br>16,005 | 10,005<br>14,148 | 11,255<br>19,005 | 10,405<br>16,805 | 10,005<br>15,005 | 9,385<br>15,005 | 8,380<br>13,960 | 9,215<br>16,758 |
| All Workers | 10,715<br>16,005 | 9,095<br>13,265 | 12,005<br>17,005 | 10,260<br>14,005 | 10,925<br>15,325 | 10,925<br>15,005 | 9,025<br>15,005 | 11,005<br>16,505 |
| All Managerial Prof. & Tech. | 16,505<br>19,965 | 13,735<br>16,590 | 18,505<br>22,005 | 16,005<br>19,505 | 17,205<br>21,945 | 15,305<br>19,005 | 14,805<br>17,795 | 16,905<br>19,930 |

## Table 13b

### Median Earnings of Artists for Selected SMSAs
(With Industry Restrictions)

Median Earnings, 1979
Median Earnings of Full-time, Full-Year Workers, 1979

| | Portland | St. Louis | San Diego | San Francisco | San Jose | Seattle | Tampa | Washington DC |
|---|---|---|---|---|---|---|---|---|
| Actors and Directors | **<br>** | **<br>** | $10,005<br>** | $8,505<br>15,155 | **<br>** | $9,455<br>** | **<br>** | $16,155<br>21,005 |
| Announcers | **<br>** | **<br>** | **<br>** | 23,405<br>29,005 | **<br>** | **<br>** | **<br>** | 24,005<br>24,545 |
| Architects | 20,005<br>23,695 | 20,005<br>20,305 | 18,005<br>20,588 | 20,005<br>21,183 | 22,343<br>22,680 | 20,005<br>23,005 | 23,608<br>** | 20,005<br>21,505 |
| Authors | **<br>** | **<br>** | 3,993<br>** | 5,005<br>10,005 | **<br>** | 8,255<br>** | **<br>** | 9,005<br>13,880 |
| Dancers and Choreographers | **<br>** | **<br>** | **<br>** | 3,505<br>** | **<br>** | **<br>** | **<br>** | **<br>** |
| Designers | **<br>** | **<br>** | 8,005<br>** | 11,005<br>16,505 | **<br>** | 12,045<br>** | **<br>** | 14,005<br>15,680 |
| Musicians and Composers | 6,405<br>** | 5,140<br>** | 5,865<br>** | 6,005<br>7,310 | 9,005<br>** | 6,208<br>** | 7,005<br>** | 7,005<br>** |
| Painters and Sculptors | 5,085<br>** | 6,778<br>16,415 | 4,498<br>8,405 | 6,848<br>10,005 | 7,510<br>11,985 | 7,638<br>12,005 | 7,005<br>10,005 | 8,255<br>12,105 |
| Photographers | 8,205<br>** | 10,845<br>15,005 | 5,105<br>** | 10,005<br>16,005 | 10,505<br>** | 8,005<br>16,505 | 7,380<br>** | 12,005<br>15,005 |
| Post-secondary Teachers | **<br>** | **<br>** | **<br>** | 7,118<br>** | **<br>** | **<br>** | **<br>** | **<br>** |
| Artists n.e.c. | **<br>** | **<br>** | 4,755<br>** | 6,005<br>** | **<br>** | **<br>** | 6,450<br>** | 6,470<br>** |
| All Artists | 9,005<br>14,085 | 10,005<br>18,005 | 7,005<br>12,005 | 9,005<br>16,505 | 9,705<br>16,255 | 10,005<br>18,005 | 8,005<br>12,005 | 12,005<br>18,005 |
| All Workers | 9,960<br>15,005 | 10,005<br>14,550 | 8,840<br>12,005 | 11,895<br>15,200 | 11,045<br>17,505 | 10,300<br>16,405 | 8,040<br>11,965 | 12,005<br>16,505 |
| All Managerial Prof. & Tech. | 16,005<br>20,005 | 14,905<br>17,915 | 14,705<br>18,905 | 16,490<br>20,005 | 20,005<br>24,005 | 16,755<br>21,860 | 12,005<br>15,275 | 17,955<br>21,785 |

Table 14

## REGIONS OF STRONG AND WEAK RELATIVE PERFORMANCE OF ARTISTS
(Mean Incomes of Full-Time, Full-Year Artists Divided by Mean Incomes of Full-Time, Full-Year Professionals)

| | Strong Performance | Weak Performance |
|---|---|---|
| Actors and Directors | Middle Atlantic (119%)<br>Pacific Coast (142%) | East North Central (79%)<br>West North Central (72%)<br>East South Central (78%)<br>West South Central (75%)<br>Mountain (76%) |
| Announcers | New England (86%)<br>West North Central (83%)<br>Pacific Coast (93%) | East South Central (57%)<br>West South Central (68%)<br>Mountain (66%) |
| Architects | East South Central (142%)<br>West South Central (131%) | New England (108%)<br>Mountain (118%)<br>Pacific Coast (117%) |
| Authors | New England (103%)<br>Pacific Coast (95%) | East North Central (58%)<br>West North Central (49%)<br>East South Central (49%*)<br>Mountain (59%) |
| Dancers and Choreographers | Middle Atlantic (63%)<br>Mountain (64%)<br>Pacific Coast (71%) | New England (30%*)<br>East and West, North and South Central (34 to 36%) |
| Designers | New England (91%)<br>Middle Atlantic (92%) | Mountain (64%) |
| Musicians and Composers | Middle Atlantic (76%)<br>East South Central (78%)<br>West South Central (75%)<br>Mountain (76%)<br>Pacific Coast (74%) | New England (51%)<br>East North Central (59%) |

| | | |
|---|---|---|
| Painters and Sculptors | East South Central (72%) | Mountain (57%)<br>Pacific Coast (59%) |
| Photographers | Middle Atlantic (71%)<br>West North Central (72%)<br>Pacific Coast (71%) | Mountain (58%) |
| Post-Secondary Teachers | South Atlantic (92%)<br>West South Central (93%)<br>Mountain (96%) | East North Central (79%)<br>West North Central (79%) |
| Artists n.e.c. | South Atlantic (70%)<br>West South Central (74%)<br>Mountain (73%)<br>Pacific Coast (82%) | New England (53%)<br>West North Central (55%) |

*Comparisons based on earnings of all workers since there were fewer than 25 full-time, full-year workers in the group.

Table 15

## RELATIVE PERFORMANCE OF ARTISTS BY STATE AND CITY
(Mean Incomes of Full-Time, Full-Year Artists Divided by Mean Incomes of Full-Time, Full-Year Professionals)

| States | Cities |
|---|---|
| California (96%) | Los Angeles (111%) |
| | |
| New York (91%) | Tampa (92%) |
| Louisiana (90%) | Saint Louis (91%) |
| | Honolulu (90%) |
| | New York City (90%) |
| | |
| Missouri (87%) | Dallas (89%) |
| Connecticut (86%) | Detroit (88%) |
| Tennessee (86%) | Miami (87%) |
| Texas (86%) | Washington D.C. (86%) |
| Florida (85%) | Long Island (85%) |
| Virginia (85%) | |
| | |
| Massachusetts (84%) | Milwaukee (84%) |
| Illinois (83%) | Nashville (83%) |
| Georgia (81%) | Chicago (83%) |
| North Carolina (81%) | Houston (83%) |
| Washington (81%) | Las Vegas (82%) |
| Maryland (80%) | San Francisco (82%) |
| Michigan (80%) | Fort Lauderdale (81%) |
| | San Diego (81%) |
| | Atlanta (80%) |
| | Boston (80%) |
| | |
| Ohio (77%) | Seattle (79%) |
| Pennsylvania (77%) | Minneapolis (78%) |
| Colorado (76%) | Philadelphia (77%) |
| Minnesota (75%) | Cleveland (76%) |
| | Portland (76%) |
| | Anaheim (75%) |
| | Baltimore (75%) |
| | |
| Indiana (74%) | Denver (70%) |
| Wisconsin (74%) | |
| Oregon (73) | |
| New Jersey (72%) | |
| | |
| | Phoenix (69%) |
| | Pittsburgh (69%) |
| | Newark (68%) |
| | San Jose (68%) |

## SECTION VI

## ARTISTS' EARNINGS BY DEMOGRAPHIC GROUP

Tables 16 through 19 present mean and median earnings for artists and the two control groups broken down by sex, race and marital status (within each sex). Once again the tables are presented in pairs, with each part "a" showing means and each part "b" medians.

The discussion that follows is based on results for mean earnings using the set of observations restricted as to industry of employment. These figures can be found in Tables 17a and 19a. In comparing gross differences in wages across various demographic groups, it is important to remember that these results are not standardized for differences in education or experience between members of the groups. Thus, for example, it is unwise to draw many conclusions regarding the relative success of women or minority group members in the arts until we know whether they differ from white male artists in any significant way on these or other productive attributes and whether these differences are the same for artists as they are for workers in the comparison groups.

Bearing this caveat in mind, it is apparent that women earn slightly more overall in the arts when compared to men than they do either in the workforce as a whole or among all managers, professionals and technical workers. Mean 1979 earnings for full-time, full-year[23] female workers in the arts were 59% of those of males. Comparable figures were 56% for all workers and 52% for all managers, professionals and technicians.

There was some range in the relative performance of female artists. Female authors and architects earned approximately 55% of what males earned in these professions while female dancers and musicians earned close to 80% of what males did. Results for other types of artists were in between these extremes.

With respect to racial differences, it is clear that black artists do substantially better than black workers in general. In fact, unlike any other ethnic group, full-time black artists had mean earnings that were greater than full-time black managers, professionals and technicians. Overall, black full-time artists earned an average of 86% of the amount earned by white full-time artists in 1979. By way of contrast, earnings of black full-time managers, professionals and technicians averaged 69% of those of whites in these professions. The same ratio of 69% held when comparing earnings of all full-time black workers to all full-time white workers.

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[23] Given the significant differences in labor force attachment between women and men, it is most appropriate to compare full-time, full-year workers so as to obtain a picture of relative earnings net of these supply decisions.

Within the hispanic community, artists performed similarly to other managers, professionals and technicians when compared to whites. Full-time hispanic artists earned 86% of what full-time white artists made, while full-time hispanic managers earned an average of 82% of their white counterparts. Asian workers earned almost exactly the same as white workers in all occupational groups, including artists.

Examination of the earnings of specific types of artists reveals some interesting racial patterns. Blacks do especially well as musicians and composers, where their mean earnings in 1979 were over one-third greater than those of whites (based on full-time workers). Other occupations where blacks appear to do well are dancers and choreographers, painters and sculptors, and post-secondary teachers of art, music and drama. In all three of these occupations, full-time black workers actually averaged slightly higher earnings than full-time white workers. The worst artistic occupations for black workers were artists not elsewhere classified and actors and directors. However, in every artistic occupation blacks performed better relative to whites than they did in the workforce as a whole or among managers, professionals and technical workers.

Hispanic artists did especially well in the occupations of authors, painters and sculptors, and artists not elsewhere classified. In each of these occupations they earned significantly more than white workers when employed on a full-time basis. The worst relative performances when comparing hispanic with white artists occurred among designers, actors and directors, and announcers. In general, there were too few asian artists to make accurate comparisons within occupational groups, although it is clear that asians perform especially well relative to whites in the occupation of musicians and composers.

Comparisons of earnings for artists and the control groups broken down according to sex and marital status are presented in Tables 18 and 19. Once again, the discussion will focus on comparisons of mean earnings for those workers who worked both full-time and for the full-year during 1979. The reader can make a similar analysis for other groups from the appropriate tables if desired. Examining Table 19a, the striking result is that across sex/marital status groups, artists' earnings follow the same pattern as those of other workers. Single male artists earn 61% of what married male artists do. For both all workers and all managers, professionals and technicians, single men's earnings are 59% of married men's. For all three groups of women, there is no difference between the mean earnings of single and married members of the group. While there is some variation in the ratio of single to married workers' earnings across the various types of artists, the general pattern is that single males have earnings somewhat less than two-thirds those of married males while single women have mean earnings approximately equal to those of married women.

The sex ratio of earnings is also similar across types of workers within each marital status. Single female artists earn an average of 84% of what single male artists earn. For all workers this ratio is 86% while for managers, professionals and technicians it is 81%. Both married female artists and married female workers in general earn 51% of what their male counterparts earn. For managers, professionals and technicians the ratio between married women's earnings and those of married men is 48%.

As a final way of examining these data, let us look at the ratio of artists' earnings to those of the control groups for each sex and marital status. Recall that for the full-time, full-year workforce as a whole artists earned approximately 85% of what managers, professionals and technicians averaged and exceed the mean earnings of all workers by about 15%. The figures within each sex and marital status are almost identical to these overall ratios. Comparing artists to managers, professionals and technicians, relative earnings are 87% for single males, 84% for married males, 89% for single women and 90% for married women. Artists' earnings exceed those of all workers by 18% for single males, 14% for single females, and 13% for both married males and married females.

The implication of these figures is that the differences in the sexual and marital status of artists and the general population (seen in Table 6) do not account for overall differences in earnings. While artists are more likely to be single males than other workers,[24] the group underrepresented among artists is not married males but rather married females. Since married women typically earn slightly less than single men, the shift in weights does not reduce overall mean earnings.

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[24] Twenty-four percent of all artists fall into this group as opposed to 15% of all workers and 11% of managers, professionals and technical workers.

## Table 16a

## Mean Earnings of Artists by Sex and Ethnic Group
(With No Industry Restrictions)

Mean Earnings, 1979
Mean Earnings of Full-time, Full-Year Workers, 1979

| | Male | Female | White | Black | Hispanic | Asian | Other |
|---|---|---|---|---|---|---|---|
| Actors and Directors | $21,823<br>27,476 | $12,033<br>17,068 | $18,895<br>25,295 | $14,063<br>19,500 | $13,962<br>19,889 | $13,055<br>18,932 | $10,711<br>** |
| Announcers | 12,364<br>17,527 | 7,825<br>12,718 | 11,655<br>17,025 | 9,849<br>14,785 | 9,479<br>13,037 | **<br>** | 15,196<br>** |
| Architects | 22,780<br>26,412 | 10,847<br>14,954 | 22,073<br>26,115 | 15,677<br>20,306 | 19,764<br>23,379 | 21,148<br>22,936 | 14,879<br>17,359 |
| Authors | 17,610<br>22,883 | 8,290<br>12,934 | 13,212<br>19,413 | 11,354<br>14,629 | 20,684<br>23,113 | 8,961<br>** | **<br>** |
| Dancers and Choreographers | 8,838<br>14,588 | 6,491<br>11,232 | 7,197<br>12,475 | 7,901<br>12,758 | 6,224<br>** | 4,068<br>** | 4,555<br>** |
| Designers | 18,040<br>20,620 | 7,615<br>11,852 | 12,681<br>17,447 | 10,589<br>13,776 | 11,081<br>14,262 | 14,340<br>18,063 | 9,923<br>14,687 |
| Musicians and Composers | 9,811<br>16,000 | 4,902<br>11,334 | 8,244<br>15,017 | 9,590<br>19,282 | 7,377<br>12,593 | 9,119<br>18,331 | 6,769<br>** |
| Painters and Sculptors | 13,626<br>17,228 | 6,684<br>10,428 | 10,158<br>14,597 | 9,945<br>14,570 | 10,329<br>14,633 | 11,356<br>14,808 | 11,085<br>14,912 |
| Photographers | 13,406<br>16,628 | 6,039<br>9,923 | 11,607<br>15,702 | 9,323<br>12,382 | 11,019<br>14,692 | 11,696<br>14,811 | 9,655<br>12,286 |
| Post-secondary Teachers | 16,051<br>20,765 | 8,379<br>14,456 | 12,326<br>18,770 | 13,210<br>19,491 | 11,401<br>** | **<br>** | **<br>** |
| Artists n.e.c. | 12,740<br>17,896 | 6,310<br>10,489 | 10,110<br>15,667 | 9,915<br>11,553 | 11,101<br>16,832 | 9,898<br>** | 8,561<br>** |
| All Artists | 16,074<br>20,788 | 7,370<br>11,869 | 12,755<br>18,437 | 10,752<br>15,417 | 11,441<br>16,099 | 13,834<br>18,523 | 9,699<br>14,785 |
| All Workers | 15,523<br>19,460 | 7,284<br>10,820 | 12,500<br>17,279 | 8,944<br>11,942 | 9,223<br>12,594 | 13,078<br>17,478 | 9,995<br>13,725 |
| All Managerial Prof. & Tech. | 23,493<br>26,690 | 10,576<br>13,770 | 18,544<br>23,141 | 13,135<br>15,938 | 14,997<br>18,876 | 18,573<br>22,636 | 14,963<br>20,189 |

## Table 16b

### Median Earnings of Artists by Sex and Ethnic Group (With No Industry Restrictions)

Median Earnings, 1979
Median Earnings of Full-time, Full-Year Workers, 1979

| | Male | Female | White | Black | Hispanic | Asian | Other |
|---|---|---|---|---|---|---|---|
| Actors and Directors | $13,505<br>19,010 | $7,945<br>13,505 | $11,790<br>17,505 | $10,005<br>15,005 | $8,005<br>14,305 | $9,205<br>18,005 | $5,005<br>** |
| Announcers | 8,005<br>12,005 | 5,805<br>10,005 | 7,705<br>11,965 | 7,105<br>11,505 | 8,005<br>12,005 | **<br>** | 10,005<br>** |
| Architects | 19,265<br>21,910 | 10,005<br>14,705 | 18,205<br>21,183 | 12,505<br>17,945 | 17,505<br>20,005 | 19,135<br>20,005 | 14,005<br>16,805 |
| Authors | 10,005<br>15,555 | 4,305<br>10,005 | 6,505<br>13,005 | 10,005<br>12,005 | 13,645<br>20,285 | 8,005<br>** | **<br>** |
| Dancers and Choreographers | 6,265<br>11,005 | 4,405<br>8,485 | 5,005<br>10,005 | 4,005<br>9,005 | 5,505<br>** | 4,005<br>** | 3,265<br>** |
| Designers | 16,460<br>18,810 | 5,505<br>10,005 | 10,005<br>15,005 | 7,805<br>12,005 | 8,645<br>12,005 | 14,005<br>17,805 | 7,605<br>13,005 |
| Musicians and Composers | 6,005<br>12,005 | 2,505<br>9,230 | 4,805<br>11,770 | 5,005<br>10,505 | 5,005<br>9,005 | 6,005<br>12,005 | 5,295<br>** |
| Painters and Sculptors | 11,005<br>15,005 | 5,005<br>10,005 | 8,005<br>12,005 | 7,583<br>13,005 | 9,010<br>13,005 | 9,235<br>12,005 | 7,655<br>11,005 |
| Photographers | 11,110<br>14,505 | 4,505<br>9,005 | 9,255<br>13,005 | 7,725<br>11,505 | 7,855<br>11,965 | 10,005<br>14,005 | 8,005<br>10,005 |
| Post-secondary Teachers | 16,005<br>20,005 | 6,370<br>14,075 | 11,005<br>18,005 | 12,670<br>19,475 | 8,435<br>** | **<br>** | **<br>** |
| Artists n.e.c. | 8,645<br>14,005 | 4,005<br>9,005 | 6,305<br>12,005 | 5,005<br>10,005 | 7,850<br>13,005 | 8,675<br>** | 6,130<br>** |
| All Artists | 12,365<br>17,235 | 5,005<br>10,005 | 9,005<br>15,005 | 7,505<br>12,105 | 8,005<br>13,005 | 12,005<br>17,005 | 6,890<br>12,205 |
| All Workers | 13,005<br>16,705 | 6,005<br>9,885 | 9,805<br>14,045 | 7,410<br>10,335 | 7,580<br>10,505 | 10,005<br>14,005 | 8,005<br>10,805 |
| All Managerial Prof. & Tech. | 19,405<br>21,415 | 10,005<br>12,505 | 14,995<br>18,205 | 12,005<br>14,005 | 12,005<br>15,215 | 15,800<br>18,505 | 11,005<br>15,335 |

## Table 17a

## Mean Earnings of Artists by Sex and Ethnic Group With Industry Restrictions

Mean Earnings, 1979
Mean Earnings of Full-Time, Full-Year Workers, 1979

| | Male | Female | White | Black | Hispanic | Asian | Other |
|---|---|---|---|---|---|---|---|
| Actors and Directors | $21,925<br>27,729 | $12,181<br>17,082 | $19,016<br>25,555 | $13,940<br>18,973 | $14,152<br>19,522 | $12,345<br>** | $11,126<br>** |
| Announcers | 12,691<br>17,836 | 7,866<br>12,733 | 11,830<br>17,263 | 10,512<br>14,891 | 10,317<br>13,159 | **<br>** | **<br>** |
| Architects | 25,091<br>27,856 | 11,440<br>15,306 | 24,425<br>27,606 | 17,764<br>22,885 | 21,568<br>24,593 | 22,259<br>23,688 | **<br>** |
| Authors | 17,226<br>22,728 | 7,863<br>12,247 | 12,885<br>19,194 | 11,289<br>14,694 | 17,044<br>20,377 | **<br>** | **<br>** |
| Dancers and Choreographers | 8,744<br>14,209 | 6,512<br>11,207 | 7,164<br>12,337 | 7,958<br>12,436 | 6,383<br>** | 4,068<br>** | 4,645<br>** |
| Designers | 19,442<br>22,542 | 11,437<br>15,263 | 15,958<br>20,001 | 11,433<br>15,614 | 12,862<br>15,089 | 14,562<br>17,311 | **<br>** |
| Musicians and Composers | 10,098<br>16,211 | 6,844<br>13,048 | 9,448<br>15,528 | 10,850<br>20,761 | 7,692<br>12,394 | 10,272<br>19,327 | 6,891<br>** |
| Painters and Sculptors | 13,423<br>17,214 | 6,242<br>9,922 | 9,783<br>14,386 | 9,626<br>14,423 | 10,669<br>15,220 | 11,520<br>14,865 | 10,923<br>17,765 |
| Photographers | 13,104<br>16,390 | 5,892<br>9,782 | 11,364<br>15,526 | 9,264<br>12,037 | 10,175<br>13,402 | 10,666<br>13,742 | 8,250<br>** |
| Post-secondary Teachers | 16,178<br>20,942 | 8,266<br>14,697 | 12,447<br>19,060 | 12,980<br>20,134 | 11,679<br>** | **<br>** | **<br>** |
| Artists n.e.c. | 12,441<br>17,556 | 6,883<br>10,675 | 10,493<br>15,669 | 9,666<br>10,890 | 11,981<br>17,158 | 10,574<br>** | 10,011<br>** |
| All Artists | 15,957<br>21,454 | 8,032<br>12,575 | 13,518<br>19,571 | 11,196<br>16,404 | 11,772<br>16,833 | 13,883<br>18,930 | 9,721<br>15,774 |
| All Workers | 15,523<br>19,460 | 7,284<br>10,820 | 12,500<br>17,279 | 8,944<br>11,942 | $9,223<br>12,594 | $13,078<br>17,478 | $9,995<br>13,725 |
| All Managerial Prof. & Tech. | 23,493<br>26,690 | 10,576<br>13,770 | 18,544<br>23,141 | 13,135<br>15,938 | 14,997<br>18,876 | 18,573<br>22,636 | 14,963<br>20,189 |

## Table 17b

### Median Earnings of Artists by Sex and Ethnic Group
(With Industry Restrictions)

Median Earnings, 1979
Median Earnings of Full-time, Full-Year Workers, 1979

| | Male | Female | White | Black | Hispanic | Asian | Other |
|---|---|---|---|---|---|---|---|
| Actors and Directors | $13,005<br>18,360 | $8,005<br>13,505 | $11,383<br>17,005 | $10,005<br>14,815 | $8,005<br>14,155 | $9,205<br>** | $5,005<br>** |
| Announcers | 8,435<br>12,005 | 6,005<br>10,105 | 8,005<br>12,005 | 7,605<br>11,505 | 8,620<br>12,005 | **<br>** | **<br>** |
| Architects | 20,005<br>22,005 | 10,085<br>14,835 | 20,005<br>22,005 | 15,005<br>20,005 | 19,945<br>20,503 | 20,005<br>20,005 | **<br>** |
| Authors | 9,995<br>15,005 | 3,945<br>8,400 | 6,005<br>12,005 | 7,405<br>10,883 | 12,005<br>13,645 | **<br>** | **<br>** |
| Dancers and Choreographers | 6,660<br>11,005 | 4,485<br>8,485 | 5,005<br>10,005 | 4,505<br>8,255 | 6,005<br>** | 4,005<br>** | 3,265<br>** |
| Designers | 16,005<br>18,865 | 9,705<br>13,005 | 12,785<br>16,125 | 8,005<br>12,505 | 11,005<br>13,005 | 14,505<br>16,020 | **<br>** |
| Musicians and Composers | 6,038<br>11,005 | 4,005<br>9,355 | 6,005<br>11,005 | 5,615<br>10,505 | 5,005<br>9,005 | 7,005<br>12,005 | 5,530<br>** |
| Painters and Sculptors | 10,005<br>14,005 | 4,333<br>9,485 | 7,005<br>11,500 | 6,590<br>10,355 | 8,438<br>13,405 | 8,880<br>12,005 | 7,255<br>12,680 |
| Photographers | 10,005<br>13,735 | 4,005<br>8,505 | 8,505<br>12,505 | 7,205<br>10,655 | 7,005<br>10,005 | 9,755<br>13,963 | 6,885<br>** |
| Post-secondary Teachers | 16,183<br>20,005 | 6,005<br>14,915 | 11,005<br>18,208 | 12,305<br>20,505 | 8,450<br>** | **<br>** | **<br>** |
| Artists n.e.c. | 8,405<br>13,505 | 5,005<br>9,005 | 7,005<br>12,005 | 5,005<br>8,755 | 8,005<br>13,005 | 9,005<br>** | 6,615<br>** |
| All Artists | 11,010<br>16,505 | 5,255<br>10,405 | 9,005<br>15,005 | 7,205<br>12,008 | 8,005<br>13,505 | 11,205<br>16,505 | 6,680<br>12,850 |
| All Workers | 13,005<br>16,705 | 6,005<br>9,885 | 9,805<br>14,045 | 7,410<br>10,335 | 7,580<br>10,505 | 10,005<br>14,005 | 8,005<br>10,805 |
| All Managerial Prof. & Tech. | 19,405<br>21,415 | 10,005<br>12,505 | 14,995<br>18,205 | 12,005<br>14,005 | 12,005<br>15,215 | 15,800<br>18,505 | 11,005<br>15,335 |

## Table 18a

## Mean Earnings of Artists by Marital Status
(With No Industry Restrictions)

Mean Earnings, 1979
Mean Earnings of Full-time, Full-Year Workers, 1979

| | MALES | | | | FEMALES | | | |
|---|---|---|---|---|---|---|---|---|
| | Married | Widowed | Divorced | Single | Married | Widowed | Divorced | Single |
| Actors and Directors | $28,194<br>31,482 | **<br>** | $27,295<br>30,139 | $12,248<br>16,791 | $11,884<br>17,783 | $11,965<br>** | $15,893<br>18,790 | $10,578<br>15,495 |
| Announcers | 19,584<br>21,639 | **<br>** | 16,957<br>19,169 | 6,628<br>11,328 | 7,847<br>12,488 | **<br>** | 11,921<br>16,234 | 6,698<br>11,457 |
| Architects | 25,847<br>28,253 | 19,130<br>22,929 | 23,412<br>26,150 | 12,980<br>17,966 | 10,716<br>14,795 | **<br>** | 14,295<br>18,108 | 9,867<br>13,810 |
| Authors | 19,999<br>25,251 | 16,779<br>** | 19,234<br>26,437 | 11,915<br>14,824 | 6,952<br>13,029 | 7,571<br>** | 11,009<br>13,758 | 9,768<br>12,263 |
| Dancers and Choreographers | 11,676<br>** | **<br>** | 12,878<br>** | 7,367<br>13,116 | 7,102<br>12,966 | **<br>** | 6,510<br>10,629 | 6,176<br>10,380 |
| Designers | 20,701<br>22,242 | 20,181<br>23,010 | 17,885<br>20,287 | 12,060<br>15,601 | 6,904<br>11,294 | 7,119<br>10,955 | 10,794<br>13,265 | 7,907<br>12,247 |
| Musicians and Composers | 12,658<br>17,092 | 7,882<br>** | 11,602<br>17,627 | 6,751<br>13,327 | 4,278<br>9,529 | 5,648<br>** | 9,785<br>19,027 | 4,399<br>10,088 |
| Painters and Sculptors | 16,640<br>19,326 | 11,927<br>16,335 | 13,027<br>16,586 | 8,493<br>11,891 | 6,032<br>9,973 | 6,642<br>10,724 | 8,646<br>11,615 | 7,047<br>10,458 |
| Photographers | 15,979<br>17,707 | 17,732<br>16,422 | 15,017<br>17,779 | 8,394<br>12,802 | 5,301<br>9,406 | 7,791<br>** | 8,125<br>9,789 | 6,193<br>10,423 |
| Post-secondary Teachers | 18,612<br>21,666 | **<br>** | 16,295<br>19,616 | 9,371<br>17,017 | 8,017<br>14,535 | 7,643<br>** | 10,908<br>14,322 | 8,068<br>14,505 |
| Artists n.e.c. | 15,996<br>19,781 | **<br>** | 14,880<br>17,345 | 7,315<br>13,910 | 5,904<br>10,131 | 9,026<br>** | 9,995<br>12,501 | 5,394<br>9,308 |
| All Artists | 19,857<br>22,870 | 17,108<br>20,832 | 16,987<br>21,048 | 9,486<br>14,588 | 6,662<br>11,359 | 7,230<br>11,408 | 10,522<br>13,520 | 7,353<br>11,805 |
| All Workers | 18,920<br>21,107 | 12,968<br>17,308 | 15,182<br>18,002 | 7,397<br>12,367 | 7,511<br>10,813 | 7,318<br>10,642 | 8,947<br>11,086 | 5,999<br>10,674 |
| All Managerial Prof. & Tech. | 26,375<br>28,423 | 22,534<br>26,864 | 22,411<br>24,904 | 12,140<br>16,772 | 10,315<br>13,629 | 11,204<br>14,222 | 12,653<br>14,378 | 10,025<br>13,609 |

## Table 18b

## Median Earnings of Artists by Marital Status
(With No Industry Restrictions)

Median Earnings, 1979
Median Earnings of Full-time, Full-Year Workers, 1979

| | MALES | | | | FEMALES | | | |
|---|---|---|---|---|---|---|---|---|
| | Married | Widowed | Divorced | Single | Married | Widowed | Divorced | Single |
| Actors and | $19,658 | ** | $15,755 | $8,005 | $7,005 | $6,055 | $10,005 | $7,608 |
| | 22,205 | ** | 20,005 | 14,005 | 13,005 | ** | 15,005 | 13,005 |
| Announcers | 13,005 | ** | 12,005 | 4,505 | 6,005 | ** | 8,005 | 5,005 |
| | 14,505 | ** | 14,105 | 9,505 | 9,375 | ** | 10,865 | 10,005 |
| Architects | 21,795 | 15,005 | 20,005 | 12,005 | 9,345 | ** | 12,865 | 9,038 |
| | 23,010 | 22,070 | 22,005 | 16,005 | 14,705 | ** | 16,005 | 14,005 |
| Authors | 12,005 | 7,393 | 12,305 | 7,005 | 3,005 | 2,998 | 8,005 | 7,005 |
| | 17,005 | ** | 19,005 | 12,005 | 9,005 | ** | 10,005 | 11,505 |
| Dancers | 9,905 | ** | 8,005 | 5,905 | 4,005 | ** | 4,685 | 4,505 |
| | ** | ** | ** | 11,005 | 7,805 | ** | 3,505 | 8,618 |
| Designers | 19,415 | 16,680 | 16,005 | 10,005 | 5,005 | 4,460 | 8,845 | 6,005 |
| | 20,005 | 20,005 | 18,005 | 13,235 | 9,060 | 8,255 | 11,005 | 10,440 |
| Musicians and | 9,005 | 3,395 | 7,905 | 4,005 | 2,405 | 2,005 | 5,930 | 2,255 |
| | 13,185 | ** | 12,005 | 9,885 | 8,505 | ** | 12,005 | 9,435 |
| Painters and | 14,505 | 12,005 | 10,005 | 7,205 | 4,008 | 3,505 | 7,255 | 6,005 |
| | 17,005 | 14,005 | 14,005 | 10,848 | 9,715 | 10,005 | 10,805 | 10,005 |
| Photographers | 14,185 | 15,005 | 12,505 | 6,505 | 3,805 | 5,275 | 7,005 | 4,665 |
| | 16,005 | 16,315 | 15,005 | 10,923 | 8,473 | ** | 9,340 | 9,008 |
| Post-secondary | 19,005 | ** | 17,005 | 6,805 | 6,005 | 4,108 | 10,460 | 5,105 |
| | 21,325 | ** | 19,505 | 15,810 | 14,145 | ** | 14,005 | 14,005 |
| Artists n.e.c. | 12,005 | ** | 10,005 | 5,005 | 3,605 | 4,505 | 6,355 | 3,885 |
| | 15,185 | ** | 14,255 | 11,005 | 9,055 | ** | 10,075 | 8,160 |
| All Artists | 17,005 | 12,470 | 12,605 | 6,815 | 4,265 | 3,875 | 8,005 | 5,330 |
| | 19,505 | 17,505 | 17,005 | 12,005 | 9,715 | 9,005 | 11,005 | 10,080 |
| All Workers | 16,125 | 10,005 | 13,005 | 5,255 | 6,405 | 5,685 | 8,035 | 4,005 |
| | 18,005 | 15,435 | 16,005 | 10,605 | 9,885 | 9,005 | 10,005 | 9,505 |
| All Managerial | 21,325 | 18,205 | 18,505 | 10,005 | 10,005 | 9,885 | 12,005 | 9,485 |
| Prof. & Tech. | 23,005 | 20,725 | 20,005 | 15,005 | 12,310 | 12,505 | 13,005 | 12,505 |

### Table 19a

### Mean Earnings of Artists by Marital Status With Industry Restrictions

Mean Earnings, 1979
Mean Earnings of Full-Time, Full-Year Workers, 1979

| | MALES | | | | FEMALES | | | |
|---|---|---|---|---|---|---|---|---|
| | Married | Widowed | Divorced | Single | Married | Widowed | Divorced | Single |
| Actors and Directors | $28,456 | ** | $27,894 | $12,436 | $12,108 | $12,196 | $15,948 | $10,640 |
| | 32,080 | ** | 31,355 | 16,791 | 17,708 | ** | 18,857 | 15,549 |
| Announcers | 19,804 | ** | 17,244 | 6,531 | 7,940 | ** | 12,835 | 6,549 |
| | 21,809 | ** | 19,621 | 11,289 | 12,141 | ** | 16,648 | 11,555 |
| Architects | 27,953 | 20,424 | 25,134 | 14,906 | 11,996 | ** | 13,927 | 9,836 |
| | 29,840 | 24,025 | 27,077 | 18,714 | 15,793 | ** | 17,775 | 13,544 |
| Authors | 19,393 | 16,768 | 19,615 | 11,879 | 6,623 | 7,077 | 10,652 | 9,329 |
| | 25,173 | ** | 27,861 | 14,514 | 12,657 | ** | 13,176 | 10,917 |
| Dancers and Choreographers | 11,620 | ** | 13,096 | 7,218 | 7,322 | ** | 6,304 | 6,157 |
| | ** | ** | ** | 11,987 | 13,625 | ** | 10,340 | 10,104 |
| Designers | 22,635 | ** | 20,829 | 13,397 | 11,438 | 15,612 | 12,776 | 10,797 |
| | 24,170 | ** | 23,938 | 17,907 | 15,667 | ** | 15,263 | 14,691 |
| Musicians and Composers | 12,925 | 8,655 | 11,713 | 7,096 | 6,112 | 10,552 | 11,355 | 5,607 |
| | 17,534 | ** | 17,976 | 13,376 | 10,504 | ** | 23,016 | 10,273 |
| Painters and Sculptors | 16,330 | 11,670 | 12,811 | 8,395 | 5,491 | 5,821 | 8,200 | 6,879 |
| | 19,481 | 16,237 | 16,573 | 11,501 | 9,300 | 9,410 | 11,270 | 10,164 |
| Photographers | 15,620 | 17,900 | 15,074 | 8,363 | 5,057 | 7,414 | 7,978 | 6,159 |
| | 17,476 | ** | 18,255 | 12,607 | 9,156 | ** | 9,677 | 10,369 |
| Post-secondary Teachers | 18,796 | ** | 16,332 | 9,418 | 7,837 | 7,823 | 10,825 | 7,978 |
| | 21,909 | ** | 19,712 | 17,039 | 14,838 | ** | 14,552 | 14,582 |
| Artists n.e.c. | 15,557 | ** | 14,162 | 8,103 | 6,874 | 10,160 | 11,380 | 5,220 |
| | 19,374 | ** | 15,522 | 14,809 | 10,101 | ** | 13,524 | 8,948 |
| All Artists | 20,151 | 17,214 | 17,198 | 9,306 | 7,323 | 9,015 | 10,808 | 7,796 |
| | 23,952 | 20,797 | 22,134 | 14,549 | 12,204 | 13,117 | 14,248 | 12,156 |
| All Workers | 18,920 | 12,968 | 15,182 | 7,397 | 7,511 | 7,318 | 8,947 | 5,999 |
| | 21,107 | 17,308 | 18,002 | 12,367 | 10,813 | 10,642 | 11,086 | 10,674 |
| All Managerial Prof. & Tech. | 26,375 | 22,534 | 22,411 | 12,140 | 10,315 | 11,204 | 12,653 | 10,025 |
| | 28,423 | 26,864 | 24,904 | 16,772 | 13,629 | 14,222 | 14,378 | 13,609 |

Table 19b

## Median Earnings of Artists by Marital Status (With Industry Restrictions)

Median Earnings, 1979
Median Earnings of Full-time, Full-Year Workers, 1979

| | MALES | | | | FEMALES | | | |
|---|---|---|---|---|---|---|---|---|
| | Married | Widowed | Divorced | Single | Married | Widowed | Divorced | Single |
| Actors and Directors | $18,505 | ** | $15,455 | $8,005 | $7,005 | $5,105 | $10,005 | $7,785 |
| | 21,325 | ** | 20,005 | 13,955 | 12,505 | ** | 15,005 | 13,005 |
| Announcers | 13,005 | ** | 12,005 | 4,505 | 6,005 | ** | 8,755 | 5,005 |
| | 14,505 | ** | 14,005 | 9,505 | 9,375 | ** | 10,925 | 10,255 |
| Architects | 22,568 | 15,005 | 20,223 | 14,005 | 10,443 | ** | 12,865 | 9,005 |
| | 24,005 | 22,540 | 22,005 | 16,505 | 15,005 | ** | 15,085 | 13,455 |
| Authors | 10,005 | 6,775 | 12,005 | 6,715 | 2,755 | 2,840 | 7,205 | 6,005 |
| | 15,010 | ** | 20,505 | 10,505 | 6,820 | ** | 8,765 | 10,318 |
| Dancers and Choreographers | 9,905 | ** | 8,005 | 6,005 | 4,200 | ** | 4,315 | 4,505 |
| | ** | ** | ** | 11,005 | 7,505 | ** | 8,505 | 8,690 |
| Designers | 19,485 | ** | 17,690 | 10,940 | 9,005 | 16,595 | 11,480 | 9,505 |
| | 20,005 | ** | 19,005 | 14,255 | 12,755 | ** | 13,005 | 12,705 |
| Musicians and Composers | 8,755 | 4,358 | 7,510 | 4,255 | 3,360 | 3,940 | 7,005 | 3,725 |
| | 12,510 | ** | 12,005 | 9,035 | 8,080 | ** | 15,108 | 9,365 |
| Painters and Sculptors | 13,005 | 10,005 | 10,005 | 7,005 | 3,505 | 2,505 | 6,400 | 5,795 |
| | 16,005 | 12,908 | 13,005 | 10,005 | 9,005 | 8,210 | 10,005 | 9,505 |
| Photographers | 13,005 | 14,005 | 12,005 | 6,335 | 3,485 | 5,005 | 6,005 | 4,510 |
| | 15,005 | ** | 15,005 | 10,505 | 8,010 | ** | 8,505 | 9,005 |
| Post-secondary Teachers | 19,005 | ** | 17,005 | 6,805 | 5,330 | 4,205 | 10,005 | 5,005 |
| | 21,505 | ** | 19,505 | 15,810 | 15,005 | ** | 15,005 | 14,005 |
| Artists n.e.c. | 11,855 | ** | 9,725 | 5,085 | 5,190 | 7,905 | 6,005 | 3,880 |
| | 15,005 | ** | 13,255 | 11,005 | 9,945 | ** | 9,145 | 7,885 |
| All Artists | 15,325 | 12,005 | 12,005 | 6,205 | 4,505 | 4,255 | 8,005 | 5,698 |
| | 19,005 | 15,005 | 16,625 | 12,005 | 10,005 | 10,333 | 11,845 | 10,505 |
| All Workers | 16,125 | 10,005 | 13,005 | 5,255 | 6,405 | 5,685 | 8,035 | 4,005 |
| | 18,005 | 15,435 | 16,005 | 10,605 | 9,885 | 9,005 | 10,005 | 9,505 |
| All Managerial Prof. & Tech. | 21,325 | 18,205 | 18,505 | 10,005 | 10,005 | 9,885 | 12,005 | 9,485 |
| | 23,005 | 20,725 | 20,005 | 15,005 | 12,310 | 12,505 | 13,005 | 12,505 |

# SECTION VII

## ARTISTS' EARNINGS BY AGE

Filer (1986) pointed out that one of the primary reasons why artists may appear to earn less than other workers is due to the relatively young age distribution of artists.[25] This section examines the relative earnings of artists at various ages. Tables 20 and 21 present mean and median earnings for various types of artists and the two reference groups in five year age intervals.

Results indicate that there is a change in the relative earnings of artists as they age. Using the figures for artists in the restricted set of industries (found in Table 21a), full-time, full-year artists under age 30 earn approximately 86% of what full-time, full-year managers, professionals and technicians of the same age earn. This ratio increases steadily with age so that artists who are between 46 and 50 years of age earn 99% of the amount earned by managers, professionals and technicians at that age. After age 50, the relative earnings of artists fall so that for those between ages 61 and 65, the earnings ratio between artists and managers, professionals and technicians has decreased to 87%. A similar pattern can be seen if part-time and/or part-year workers are included, with the earnings ratio for artists compared to managers, professionals and technicians increasing from 79% for those under age 30 to a maximum of 90% for those between 46 and 50 and then decreasing to 76% for those between 61 and 65.

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[25] It was also noted that this young age distribution was not caused by the dropping-out of failed artists but rather arose because of the rapid growth of artistic occupations in recent years.

These results suggest that the overall earnings of artists are reduced in two ways by the fact that artists are typically younger than the general population (see Filer 1986). Not only are artists concentrated at younger ages, when any type of worker has lower earnings than he or she will have later in life, but artists' earnings are also lower when young relative to their later earnings than those of other workers. It is dangerous therefore to draw conclusions regarding the low apparent earnings of artists without adjusting for these age effects. Although the average artist may have low earnings due to the high weight given to the large number of young artists at any point in time, if these artists follow the pattern of rapid increases in earnings as they age suggested in cross-section data, then their lifetime earnings may not be lower than those of other workers. For a elaboration of this point, see Filer (1986).

The pattern of artists' earnings at various ages can perhaps be best seen in Figures 1 through 12 which graph age/earnings profiles for each type of artist and artists as a whole. In order to conserve space, figures are presented for all artists without considering the industry of employment.[26] Figure (a) in each set presents results for all artists while the second figure (b) is restricted to full-time, full-year workers. For comparison purposes, age/earnings profiles for all workers and all managers, professionals and technicians are also included in each figure. In order to obtain smooth patterns, these profiles were calculated by regressing mean earnings of artists at each age (in single years) on a constant term and age, age squared and age cubed. Predicted values from these regressions are what is plotted in the figures.

Examination of Figure 1b (results for all full-time, full-year artists) confirms the pattern seen in Table 21a. Earnings of artists grow slightly more rapidly as they age than those of all workers so that although these two groups start out with approximately equal earnings when young, by age 40 a sizeable gap has open between them that is maintained for the remainder of their working lives. Comparing artists as a whole with all managers, professionals and technicians, it can be seen that the dollar gap between their earnings increases slightly with age. However, given the overall growth rate, this dollar gap becomes a much smaller portion of earnings. Thus, the relative earnings of artists increase with age until all but the very highest ages.

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[26] Results are close to identical when artists are restricted to only those employed in the industries indicated in Table 1.

The fact that the age/earnings profiles of artists as a whole (in Figures 1a and 1b) come close to mirroring those of all workers and all managers, professionals and technicians masks a considerable degree of diversity across the various types of artists. Age/earnings profiles for each separate type of artist are presented in Figures 2 through 12. Patterns for the individual types of artists can be roughly divided into two groups. One group consists of actors and directors, announcers and architects. Workers in each of these occupations have earnings below those of managers, professionals and technicians at younger ages. However, earnings for these types of artists grow far more rapidly than those for the comparison group so that after about age thirty these artists can expect to earn higher average salaries than managers, professionals and technicians of the same age. This more rapid increase in earnings as workers age is particularly pronounced with respect to actors and directors (see Figures 2a and 2b).

A second group is composed of authors, designers, musicians and composers, painters and sculptors, photographers, and artists not elsewhere classified. In each of these cases, earnings of artists start out lower than those of managers, professionals and technicians (and roughly equal to those of all workers) and do not grow at a substantially more rapid pace than those of the managerial group. Therefore, for these types of artists, earnings remain below those of other managers, professionals and technicians for the entirety of their working lives. In fact, for each of these groups, their age/earnings profile approximately tracks that of all workers.

Two types of artists exhibit age/earnings profiles that do not fit neatly into one of the two groupings discussed above. Post-secondary teachers of art, music and drama have earnings that grow more rapidly than those of other workers but, since they start out substantially lower than those of managers, professionals and technicians at younger ages, never catch up to those of this comparison group. Finally, as the only artistic occupation where diminished physical capacity substantially reduces the ability of older workers to engage in the art, dancers and choreographers have an age/earnings profile that exhibits a rapid fall-off of earnings at older ages.

## Table 20a

### Mean Earnings of Artists by Age
### (With No Industry Restrictions)

Mean Earnings, 1979
Mean Earnings of Full-time, Full-Year Workers, 1979

| | 21-25 | 26-30 | 31-35 | 36-40 | 41-45 | 46-50 | 51-55 | 56-60 | 61-65 |
|---|---|---|---|---|---|---|---|---|---|
| Actors and Directors | $8,011 | $13,988 | $19,281 | $25,748 | $28,309 | $30,198 | $27,222 | $27,443 | $24,561 |
| | 11,542 | 16,470 | 22,921 | 31,948 | 33,388 | 38,735 | 35,822 | 37,267 | 38,305 |
| Announcers | 6,731 | 11,418 | 16,542 | 20,356 | 26,389 | 27,544 | 24,175 | 33,757 | 19,700 |
| | 9,682 | 12,984 | 19,730 | 22,112 | 27,237 | 27,912 | 28,490 | 33,875 | 27,375 |
| Architects | 8,892 | 15,264 | 20,335 | 25,906 | 28,661 | 31,928 | 32,914 | 30,363 | 26,072 |
| | 12,424 | 17,174 | 22,265 | 27,449 | 30,945 | 34,664 | 35,232 | 33,210 | 31,048 |
| Authors | 6,905 | 10,199 | 12,398 | 13,565 | 18,324 | 16,228 | 19,725 | 14,099 | 14,076 |
| | 10,263 | 13,439 | 17,763 | 20,790 | 24,798 | 23,986 | 23,433 | 21,157 | 19,738 |
| Dancers and Choreographers | 6,750 | 7,107 | 8,049 | 10,073 | 15,447 | ** | ** | ** | ** |
| | 10,032 | 11,025 | ** | ** | ** | ** | ** | ** | ** |
| Designers | 7,814 | 11,543 | 14,037 | 15,272 | 15,888 | 16,604 | 16,043 | 15,025 | 13,555 |
| | 10,969 | 14,594 | 18,189 | 20,292 | 20,379 | 21,313 | 19,836 | 18,444 | 17,813 |
| Musicians and Composers | 5,612 | 8,081 | 10,872 | 10,779 | 12,919 | 12,439 | 12,345 | 11,852 | 9,917 |
| | 10,713 | 11,782 | 17,324 | 15,348 | 22,876 | 20,296 | 22,170 | 22,906 | 15,721 |
| Painters and Sculptors | 6,937 | 9,059 | 10,452 | 11,933 | 13,872 | 14,190 | 13,649 | 13,344 | 11,292 |
| | 9,921 | 11,849 | 14,495 | 16,120 | 18,849 | 18,822 | 18,458 | 17,734 | 16,411 |
| Photographers | 7,164 | 10,849 | 13,103 | 14,850 | 16,202 | 17,040 | 16,981 | 15,471 | 12,871 |
| | 10,519 | 13,480 | 15,452 | 17,582 | 19,431 | 18,876 | 19,049 | 17,427 | 17,429 |
| Post-secondary Teachers | 3,858 | 8,346 | 10,885 | 13,990 | 16,135 | 18,582 | 18,260 | 19,817 | 16,084 |
| | 8,916 | 12,486 | 15,756 | 18,994 | 19,982 | 23,057 | 23,117 | 25,119 | 22,508 |
| Artists n.e.c. | 6,566 | 10,180 | 11,829 | 12,136 | 14,073 | 13,958 | 14,807 | 16,100 | 15,481 |
| | 9,568 | 14,190 | 15,759 | 16,002 | 19,190 | 19,774 | 20,664 | 20,560 | 24,292 |
| All Artists | 7,097 | 10,838 | 13,916 | 16,120 | 17,862 | 18,882 | 18,506 | 17,292 | 14,653 |
| | 10,664 | 14,182 | 18,254 | 21,157 | 22,870 | 24,283 | 23,382 | 21,960 | 20,634 |
| All Workers | 7,925 | 11,497 | 13,927 | 15,836 | 16,316 | 16,176 | 16,291 | 15,592 | 13,252 |
| | 10,897 | 14,268 | 17,153 | 19,262 | 19,901 | 19,312 | 19,112 | 18,543 | 17,931 |
| All Managerial Prof. & Tech. | 8,774 | 13,633 | 17,770 | 21,224 | 23,075 | 24,209 | 24,670 | 23,939 | 21,404 |
| | 12,123 | 16,428 | 21,134 | 25,020 | 26,790 | 27,826 | 28,314 | 27,435 | 26,213 |

Table 20b

Median Earnings of Artists by Age
(With No Industry Restrictions)

Median Earnings, 1979
Median Earnings of Full-time, Full-Year Workers, 1979

| | 21-25 | 26-30 | 31-35 | 36-40 | 41-45 | 46-50 | 51-55 | 56-60 | 61-65 |
|---|---|---|---|---|---|---|---|---|---|
| Actors and | $6,005 | $11,555 | $14,663 | $18,005 | $18,593 | $19,005 | $15,005 | $16,005 | $13,955 |
| Directors | 10,005 | 14,005 | 18,485 | 23,455 | 24,993 | 27,008 | 27,790 | 28,340 | 23,505 |
| Announcers | 6,005 | 10,005 | 12,155 | 13,005 | 19,245 | 20,005 | 16,125 | 19,505 | 11,415 |
| | 9,005 | 11,565 | 14,555 | 15,005 | 20,858 | 20,005 | 21,105 | 20,245 | 16,125 |
| Architects | 8,005 | 15,005 | 19,245 | 23,010 | 25,005 | 27,005 | 26,805 | 25,005 | 23,005 |
| | 12,005 | 16,005 | 20,005 | 24,005 | 26,005 | 29,005 | 28,505 | 26,755 | 26,820 |
| Authors | 5,388 | 7,410 | 7,505 | 8,005 | 8,255 | 9,005 | 10,005 | 6,385 | 7,755 |
| | 10,005 | 12,575 | 12,995 | 15,673 | 14,005 | 16,510 | 15,505 | 12,005 | 13,615 |
| Dancers and | 5,005 | 5,475 | 5,005 | 5,305 | 12,010 | ** | ** | ** | ** |
| Choreographers | 9,005 | 9,005 | ** | ** | ** | ** | ** | ** | ** |
| Designers | 7,005 | 10,905 | 12,005 | 13,005 | 13,005 | 13,095 | 13,405 | 12,893 | 10,005 |
| | 10,005 | 13,715 | 16,705 | 19,005 | 19,005 | 19,005 | 18,570 | 17,008 | 16,005 |
| Musicians and | 3,900 | 6,005 | 7,005 | 7,505 | 7,005 | 6,225 | 7,005 | 6,005 | 4,425 |
| Composers | 9,005 | 10,005 | 12,505 | 13,005 | 16,258 | 15,410 | 15,005 | 15,400 | 12,415 |
| Painters and | 6,005 | 8,605 | 8,555 | 9,255 | 10,865 | 11,155 | 11,005 | 10,505 | 8,005 |
| Sculptors | 9,605 | 11,005 | 13,005 | 14,735 | 16,243 | 16,005 | 16,840 | 16,010 | 14,995 |
| Photographers | 6,415 | 10,005 | 11,505 | 13,005 | 14,595 | 15,005 | 15,005 | 14,005 | 10,005 |
| | 9,885 | 12,005 | 13,825 | 15,138 | 17,505 | 17,005 | 18,005 | 15,175 | 15,905 |
| Post-secondary | 3,005 | 7,205 | 10,260 | 15,005 | 17,735 | 18,925 | 19,310 | 21,005 | 16,865 |
| Teachers | 8,720 | 12,035 | 15,005 | 18,005 | 19,495 | 22,480 | 22,500 | 23,405 | 22,670 |
| Artists n.e.c. | 5,555 | 8,005 | 9,005 | 8,705 | 10,005 | 8,865 | 10,005 | 10,218 | 8,173 |
| | 8,005 | 12,010 | 13,505 | 12,005 | 15,005 | 16,005 | 15,005 | 15,005 | 16,505 |
| All Artists | 6,005 | 9,805 | 11,205 | 13,005 | 14,065 | 14,945 | 14,123 | 13,605 | 10,005 |
| | 10,005 | 13,005 | 16,005 | 18,388 | 20,005 | 20,005 | 20,005 | 18,505 | 17,010 |
| All Workers | 7,005 | 10,005 | 12,005 | 13,005 | 13,105 | 13,010 | 13,005 | 12,005 | 9,985 |
| | 10,005 | 13,005 | 15,005 | 16,200 | 16,655 | 16,005 | 15,823 | 15,005 | 14,005 |
| All Managerial | 8,195 | 12,505 | 15,665 | 18,005 | 18,750 | 19,910 | 19,800 | 18,600 | 16,005 |
| Prof. & Tech. | 11.505 | 15,005 | 18,205 | 20,510 | 21,605 | 22,005 | 22,005 | 21,005 | 20,005 |

Table 21a

### Mean Earnings of Artists by Age
### With Industry Restrictions

Mean Earnings, 1979
Mean Earnings of Full-Time, Full-Year Workers, 1979

| | 21-25 | 26-30 | 31-35 | 36-40 | 41-45 | 46-50 | 51-55 | 56-60 | 61-65 |
|---|---|---|---|---|---|---|---|---|---|
| Actors and Directors | $8,036<br>11,509 | $13,651<br>16,168 | $19,508<br>22,906 | $26,036<br>33,040 | $28,402<br>33,590 | $30,918<br>40,316 | $27,820<br>38,409 | $28,700<br>39,025 | $25,329<br>39,594 |
| Announcers | 6,675<br>9,633 | 11,324<br>12,867 | 16,926<br>19,903 | 20,571<br>22,902 | 26,857<br>27,939 | 26,328<br>27,596 | 24,526<br>28,956 | 36,245<br>35,461 | 21,305<br>28,601 |
| Architects | 9,557<br>13,360 | 15,797<br>17,433 | 21,695<br>23,111 | 27,265<br>28,212 | 30,851<br>32,474 | 35,627<br>37,489 | 35,527<br>37,492 | 32,984<br>35,372 | 28,605<br>32,661 |
| Authors | 6,400<br>9,432 | 9,795<br>12,919 | 11,875<br>17,048 | 13,189<br>21,121 | 17,772<br>24,567 | 15,511<br>23,508 | 19,220<br>23,165 | 13,809<br>21,600 | 13,173<br>17,567 |
| Dancers and Choreographers | 6,831<br>10,079 | 7,152<br>10,845 | 8,103<br>** | 10,177<br>** | **<br>** | **<br>** | **<br>** | **<br>** | **<br>** |
| Designers | 8,507<br>11,695 | 12,758<br>15,025 | 17,247<br>20,098 | 20,323<br>24,210 | 21,726<br>25,320 | 22,838<br>27,269 | 22,048<br>24,274 | 22,339<br>23,758 | 19,251<br>21,988 |
| Musicians and Composers | 5,919<br>10,490 | 8,365<br>11,665 | 11,870<br>18,156 | 13,027<br>16,118 | 16,187<br>26,060 | 16,130<br>23,245 | 17,019<br>27,989 | 14,418<br>25,235 | 12,924<br>19,084 |
| Painters and Sculptors | 6,740<br>9,521 | 8,622<br>11,479 | 9,975<br>14,175 | 11,566<br>15,975 | 13,323<br>19,059 | 13,605<br>18,775 | 12,937<br>18,328 | 12,862<br>17,706 | 10,681<br>16,368 |
| Photographers | 7,091<br>10,481 | 10,792<br>13,563 | 12,933<br>15,412 | 14,358<br>17,058 | 16,231<br>19,792 | 16,541<br>18,416 | 16,305<br>18,527 | 14,867<br>16,935 | 12,892<br>17,559 |
| Post-secondary Teachers | 3,743<br>** | 8,101<br>12,654 | 10,684<br>15,668 | 14,213<br>19,182 | 16,056<br>19,982 | 18,754<br>23,247 | 18,534<br>23,117 | 20,090<br>25,391 | 16,628<br>22,508 |
| Artists n.e.c. | 6,637<br>9,859 | 10,803<br>15,375 | 13,238<br>16,184 | 13,368<br>17,044 | 16,487<br>20,996 | 15,374<br>19,768 | 17,012<br>19,627 | 17,191<br>19,483 | 11,135<br>16,868 |
| All Artists | 6,969<br>10,590 | 10,750<br>14,114 | 14,523<br>18,843 | 17,441<br>22,408 | 20,173<br>25,560 | 21,731<br>27,626 | 21,187<br>26,695 | 19,828<br>25,180 | 16,192<br>22,863 |
| All Workers | 7,925<br>10,897 | 11,497<br>14,286 | 13,927<br>17,153 | 15,836<br>19,262 | 16,316<br>19,901 | 16,176<br>19,312 | 16,291<br>19,112 | 15,592<br>18,543 | 13,252<br>17,931 |
| All Managerial Prof. & Tech. | 8,774<br>12,123 | 13,633<br>16,428 | 17,770<br>21,134 | 21,224<br>25,020 | 23,075<br>26,790 | 24,209<br>27,826 | 24,670<br>28,314 | 23,939<br>27,435 | 21,404<br>26,213 |

### Table 21b

### Median Earnings of Artists by Age
(With Industry Restrictions)

Median Earnings, 1979
Median Earnings of Full-time, Full-Year Workers, 1979

| | 21-25 | 26-30 | 31-35 | 36-40 | 41-45 | 46-50 | 51-55 | 56-60 | 61-65 |
|---|---|---|---|---|---|---|---|---|---|
| Actors and | $6,005 | $11,005 | $14,770 | $17,165 | $18,455 | $19,005 | $14,005 | $16,005 | $13,895 |
| Directors | 10,005 | 14,005 | 18,205 | 24,005 | 24,005 | 28,105 | 28,015 | 27,275 | 23,005 |
| Announcers | 6,005 | 10,005 | 12,505 | 13,505 | 19,245 | 18,755 | 18,005 | 20,245 | 13,005 |
| | 9,005 | 11,505 | 14,505 | 15,315 | 21,005 | 19,005 | 21,265 | 21,125 | 16,125 |
| Architects | 8,655 | 15,005 | 20,005 | 24,005 | 26,005 | 29,955 | 28,005 | 25,990 | 24,008 |
| | 13,005 | 16,008 | 20,510 | 24,580 | 27,005 | 30,005 | 30,005 | 27,005 | 27,565 |
| Authors | 5,005 | 6,240 | 6,010 | 7,005 | 6,755 | 8,005 | 8,425 | 6,005 | 6,805 |
| | 9,005 | 12,005 | 11,055 | 15,005 | 12,505 | 15,005 | 15,005 | 10,715 | 10,805 |
| Dancers and | 5,010 | 5,505 | 5,035 | 5,155 | ** | ** | ** | ** | ** |
| Choreographers | 9,005 | 9,005 | ** | ** | ** | ** | ** | ** | ** |
| Designers | 8,305 | 12,005 | 15,005 | 18,005 | 17,005 | 19,005 | 19,245 | 19,025 | 18,750 |
| | 11,005 | 14,005 | 17,005 | 20,005 | 19,905 | 20,805 | 20,505 | 20,005 | 20,730 |
| Musicians and | 4,005 | 6,125 | 7,580 | 9,845 | 10,005 | 8,845 | 10,505 | 8,005 | 6,133 |
| Composers | 8,905 | 10,005 | 12,005 | 13,005 | 20,005 | 18,115 | 20,005 | 18,005 | 14,830 |
| Painters and | 6,005 | 8,005 | 7,308 | 8,005 | 9,005 | 9,455 | 9,030 | 8,740 | 6,933 |
| Sculptors | 9,035 | 10,805 | 12,005 | 13,005 | 15,005 | 15,005 | 15,505 | 15,435 | 13,005 |
| Photographers | 6,255 | 9,620 | 11,005 | 12,005 | 13,505 | 12,865 | 13,008 | 12,005 | 9,095 |
| | 9,505 | 12,005 | 13,505 | 15,005 | 17,110 | 15,005 | 16,010 | 13,795 | 15,805 |
| Post-secondary | 2,805 | 7,005 | 10,005 | 15,005 | 17,520 | 19,005 | 20,005 | 21,008 | 17,005 |
| Teachers | ** | 12,248 | 15,005 | 18,005 | 19,495 | 23,205 | 22,500 | 23,645 | 22,670 |
| Artists n.e.c. | 5,005 | 8,005 | 10,005 | 10,165 | 11,555 | 12,005 | 11,610 | 12,005 | 7,105 |
| | 8,505 | 12,505 | 14,005 | 13,005 | 15,005 | 17,005 | 15,005 | 15,005 | 8,255 |
| All Artists | 5,725 | 9,010 | 11,205 | 13,265 | 15,010 | 15,513 | 15,005 | 15,005 | 10,033 |
| | 9,885 | 12,705 | 16,005 | 18,208 | 20,005 | 21,205 | 20,285 | 20,005 | 18,190 |
| All Workers | 7,005 | 10,005 | 12,005 | 13,005 | 13,105 | 13,010 | 13,005 | 12,005 | 9,985 |
| | 10,005 | 13,005 | 15,005 | 16,200 | 16,655 | 16,005 | 15,823 | 15,005 | 14,005 |
| All Managerial | 8,195 | 12,505 | 15,665 | 18,005 | 18,750 | 19,910 | 19,800 | 18,600 | 16,005 |
| Prof. & Tech. | 11,505 | 15,005 | 18,205 | 20,510 | 21,605 | 22,005 | 22,005 | 21,005 | 20,005 |

FIGURE 1a

AGE/EARNINGS PROFILES - ALL ARTISTS

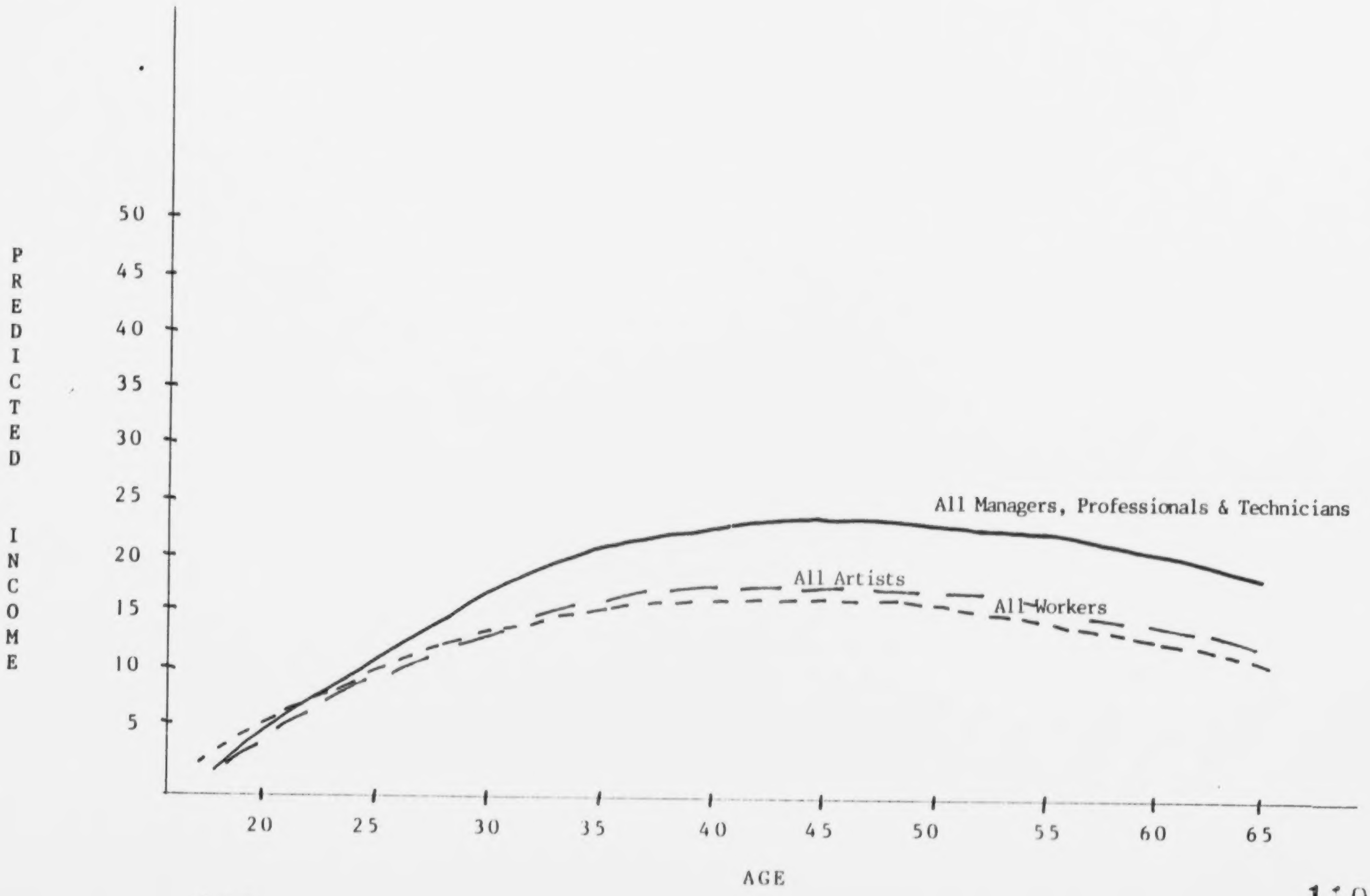


FIGURE 1b

AGE/EARNINGS PROFILES - ALL ARTISTS
(FULL-TIME, FULL-YEAR WORKERS ONLY)

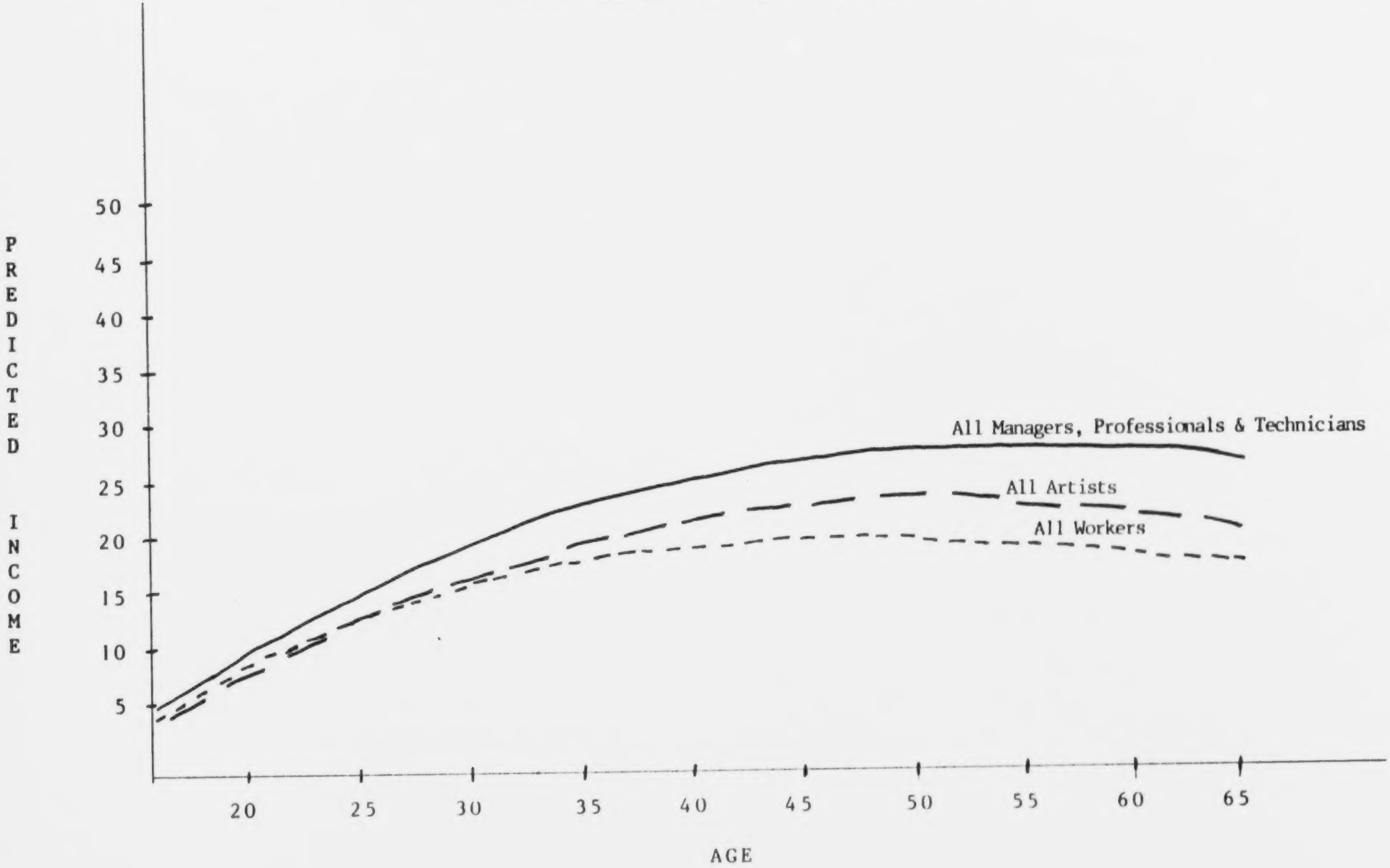


FIGURE 2a

AGE/EARNINGS PROFILES - ACTORS AND DIRECTORS

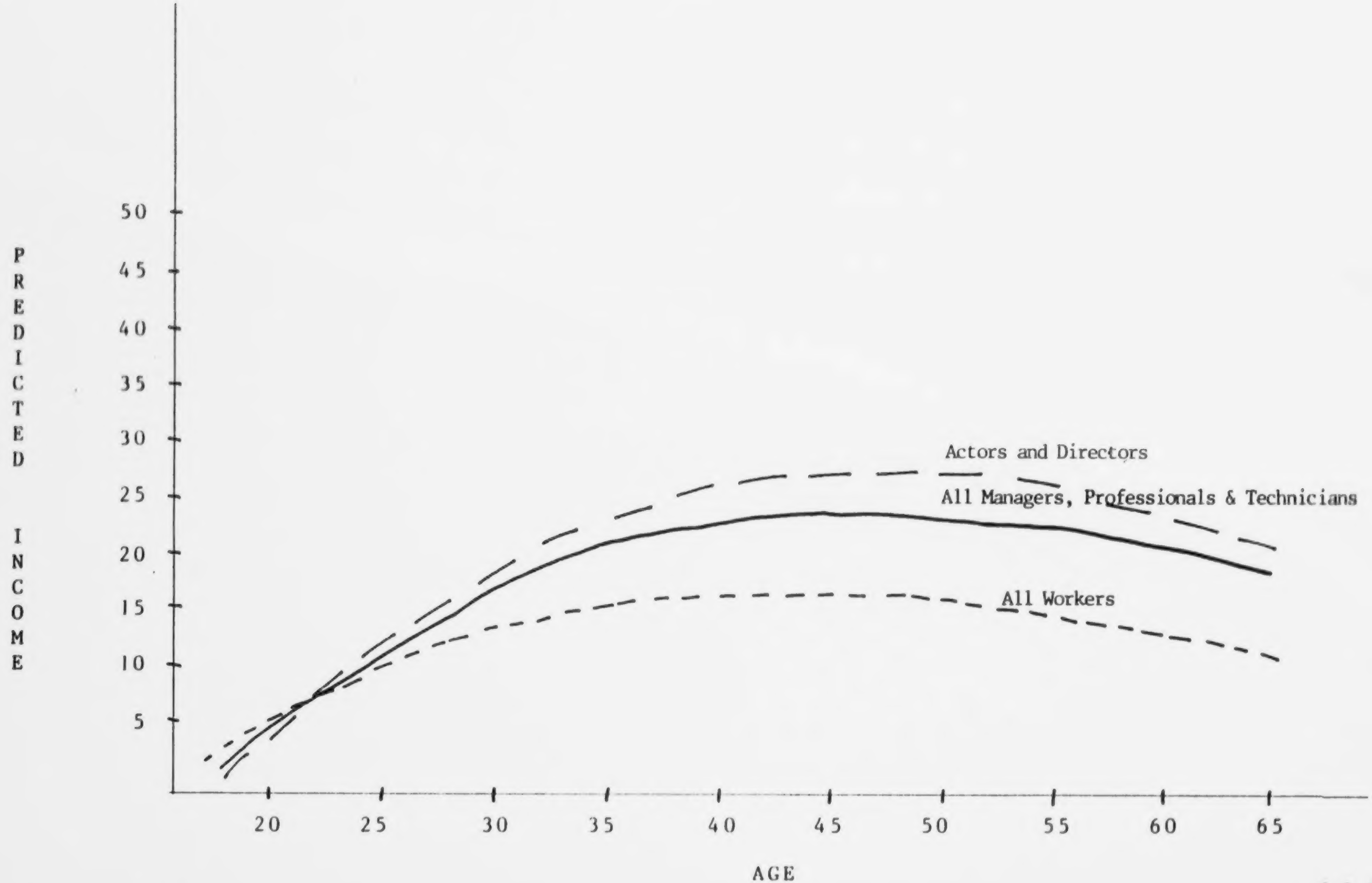


FIGURE 2b

AGE/EARNINGS PROFILES - ACTORS AND DIRECTORS
(FULL-TIME, FULL-YEAR WORKERS ONLY)

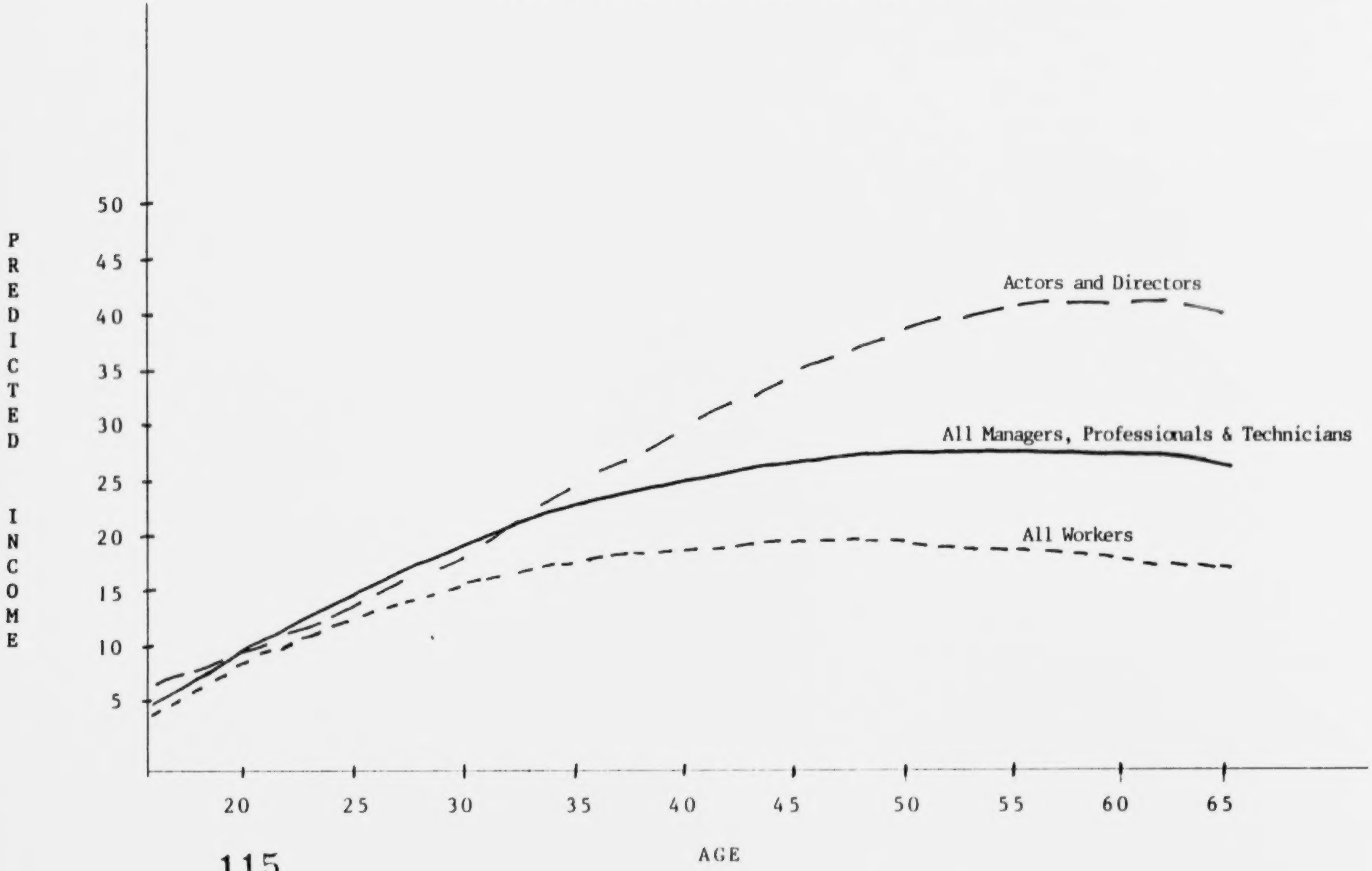
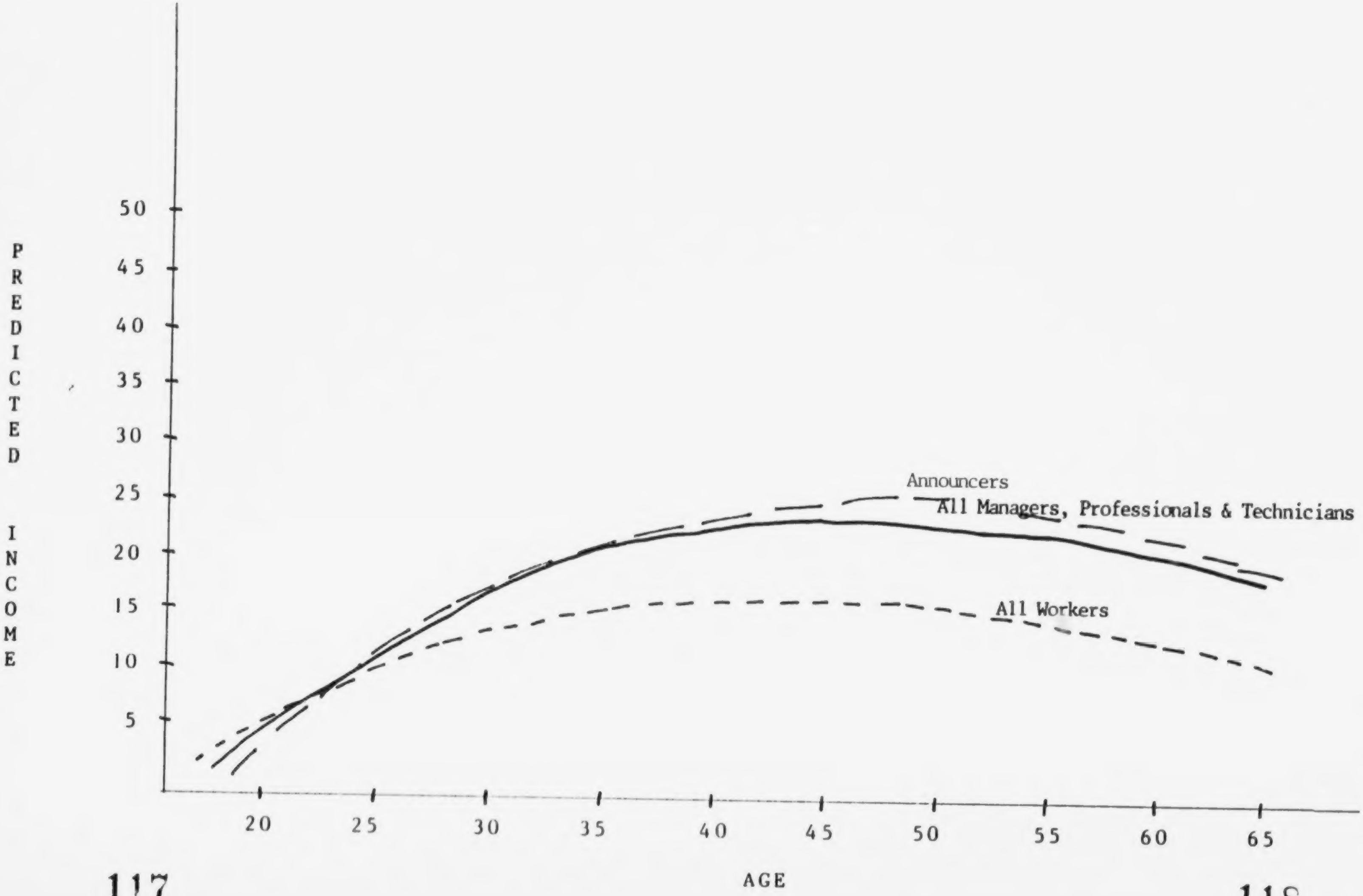


FIGURE 3a

AGE/EARNINGS PROFILES - ANNOUNCERS



## FIGURE 3b

## AGE/EARNINGS PROFILES - ANNOUNCERS

## (FULL-TIME, FULL-YEAR WORKERS ONLY)

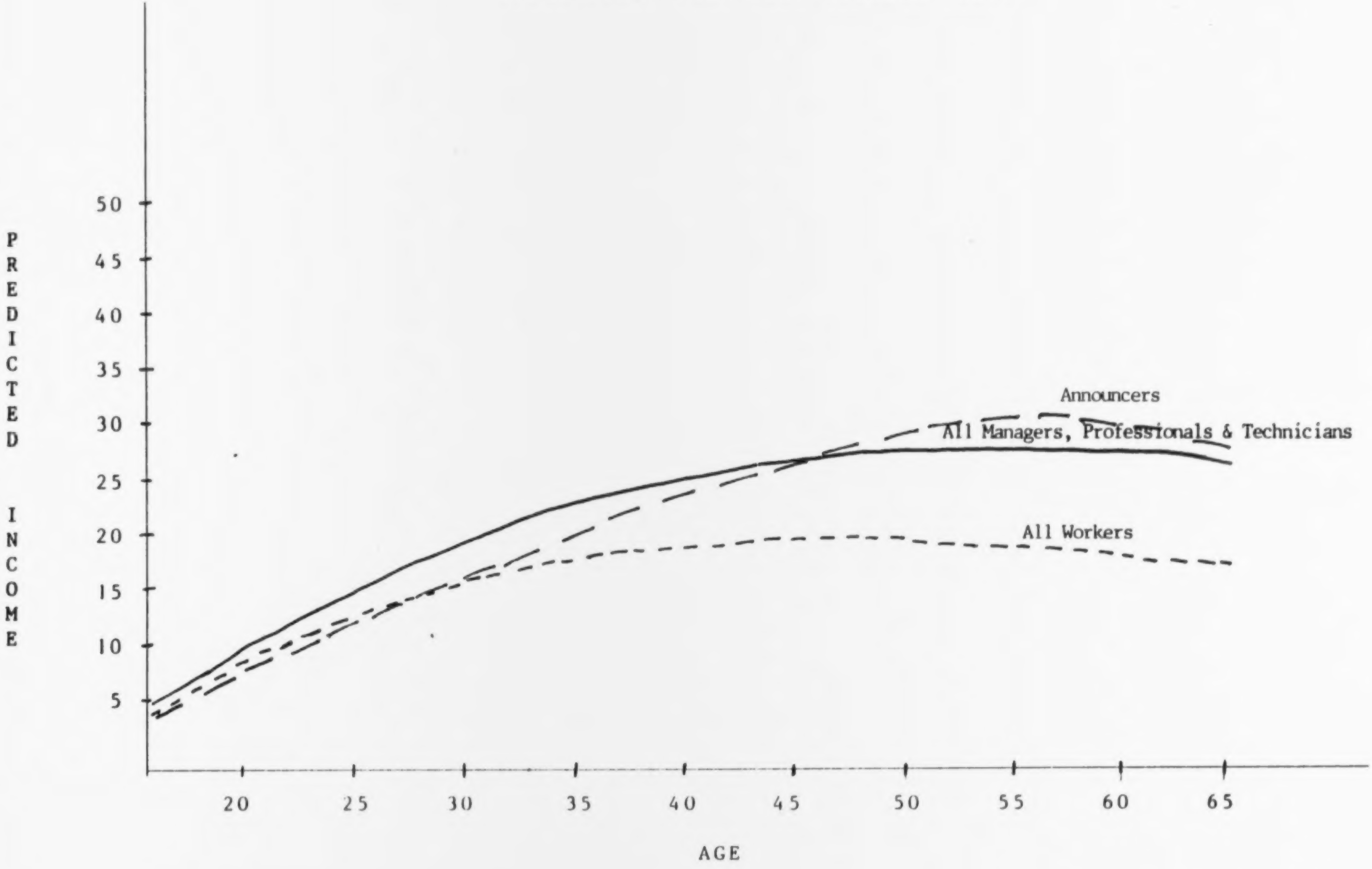
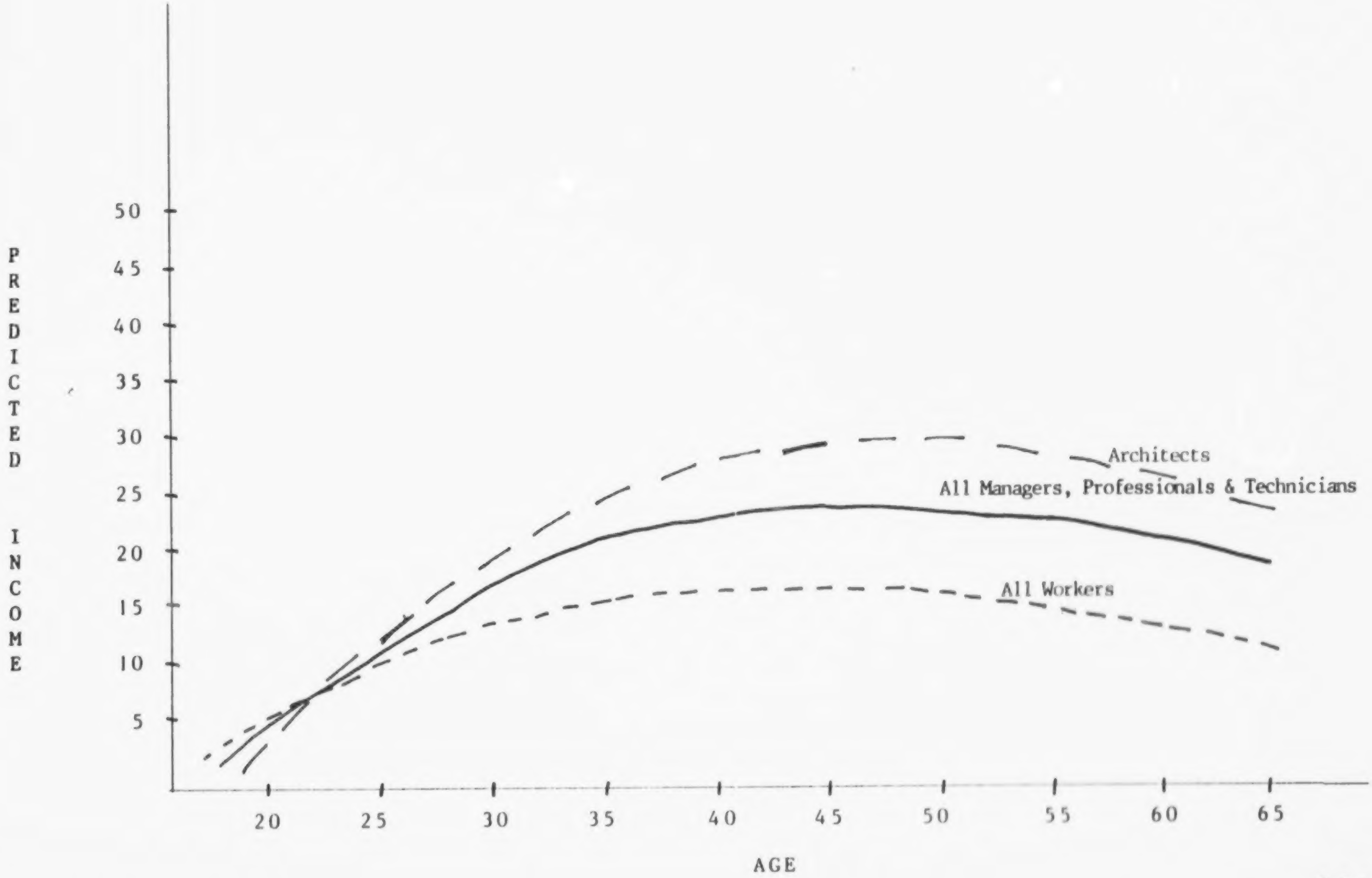


FIGURE 4a

AGE/EARNINGS PROFILES - ARCHITECTS



## FIGURE 4b

## AGE/EARNINGS PROFILES - ARCHITECTS
(FULL-TIME, FULL-YEAR WORKERS ONLY)

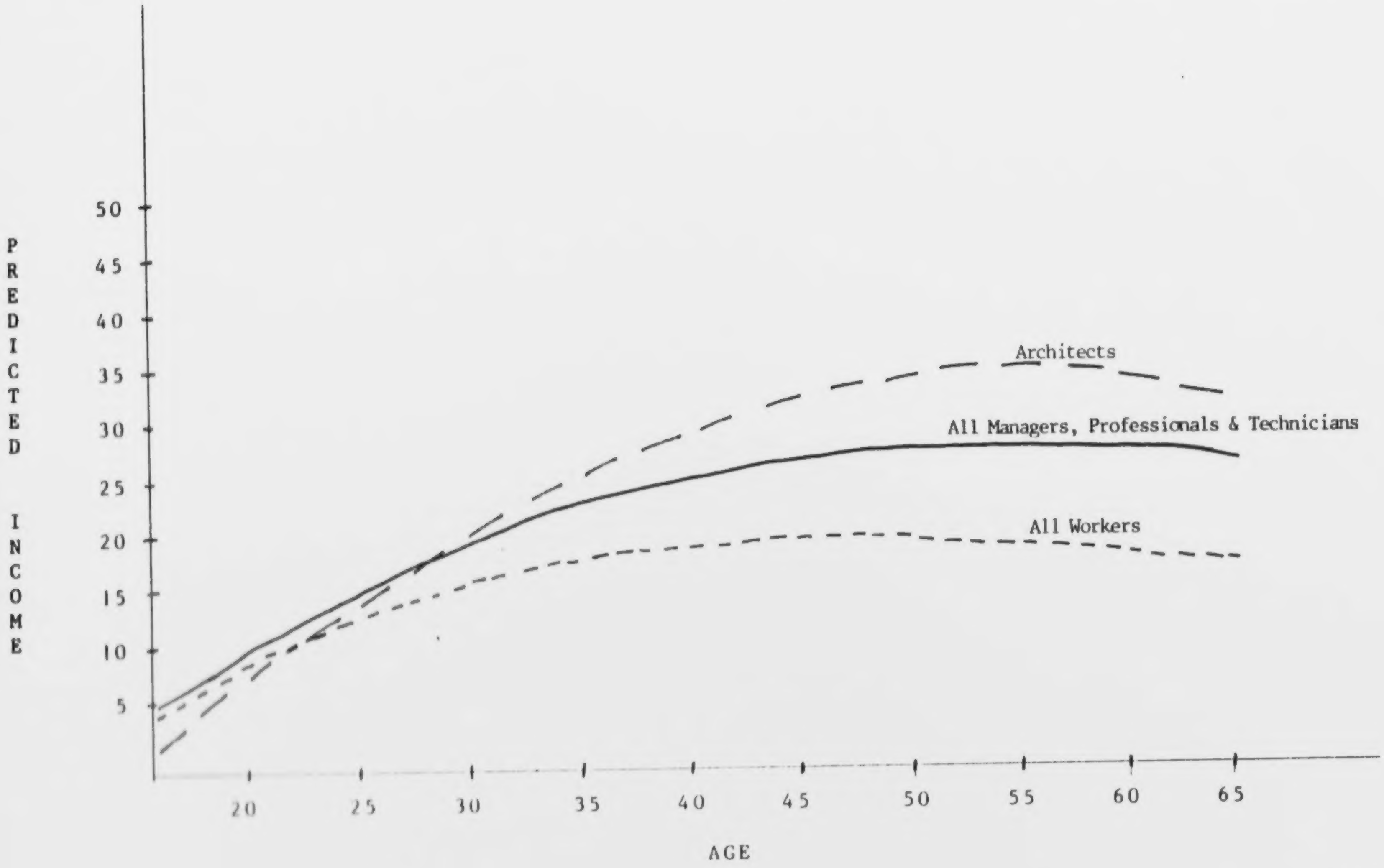
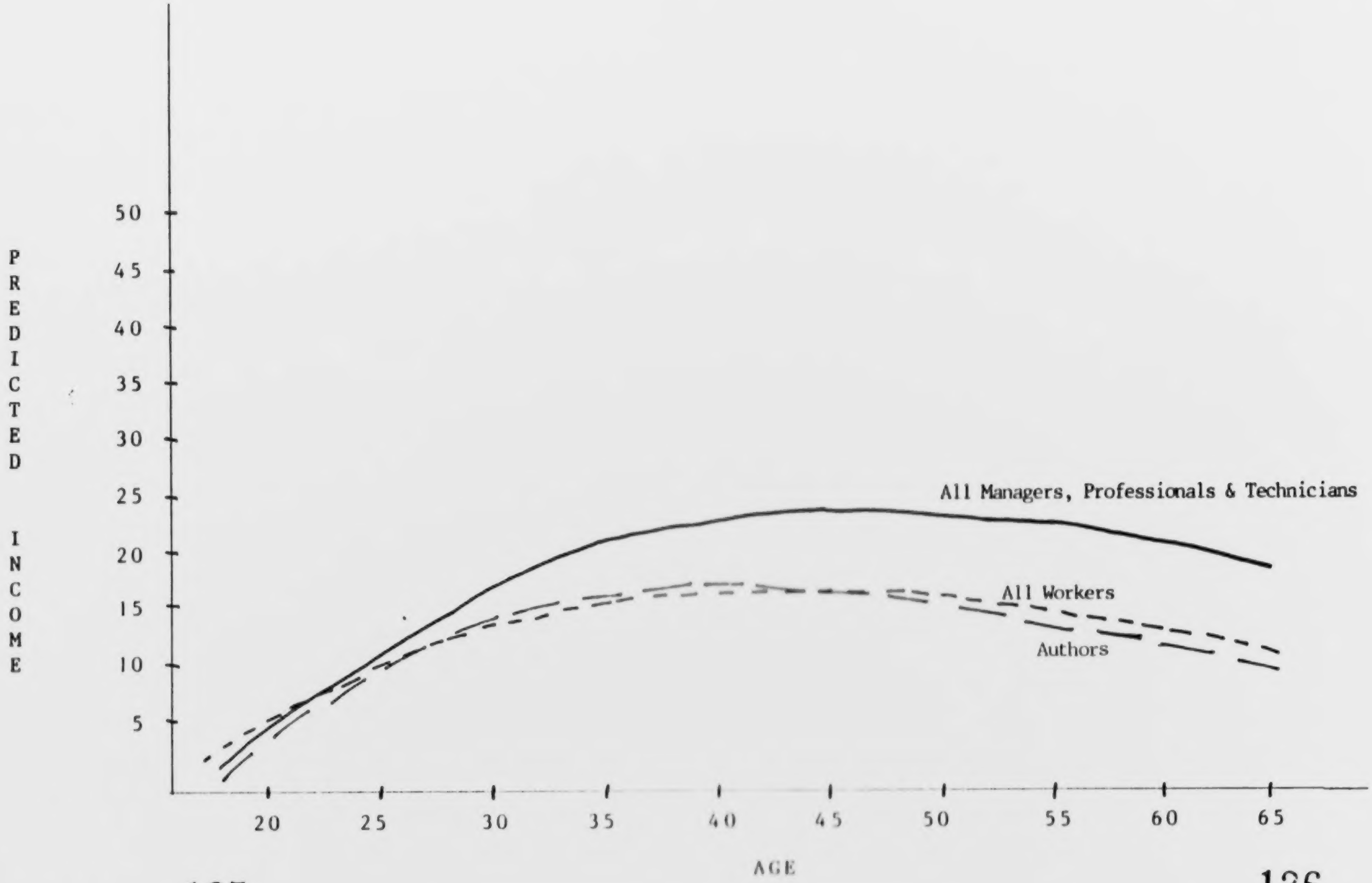


FIGURE 5a

AGE/EARNINGS PROFILES - AUTHORS



## FIGURE 5b

### AGE/EARNINGS PROFILES - AUTHORS
### (FULL-TIME, FULL-YEAR WORKERS ONLY)

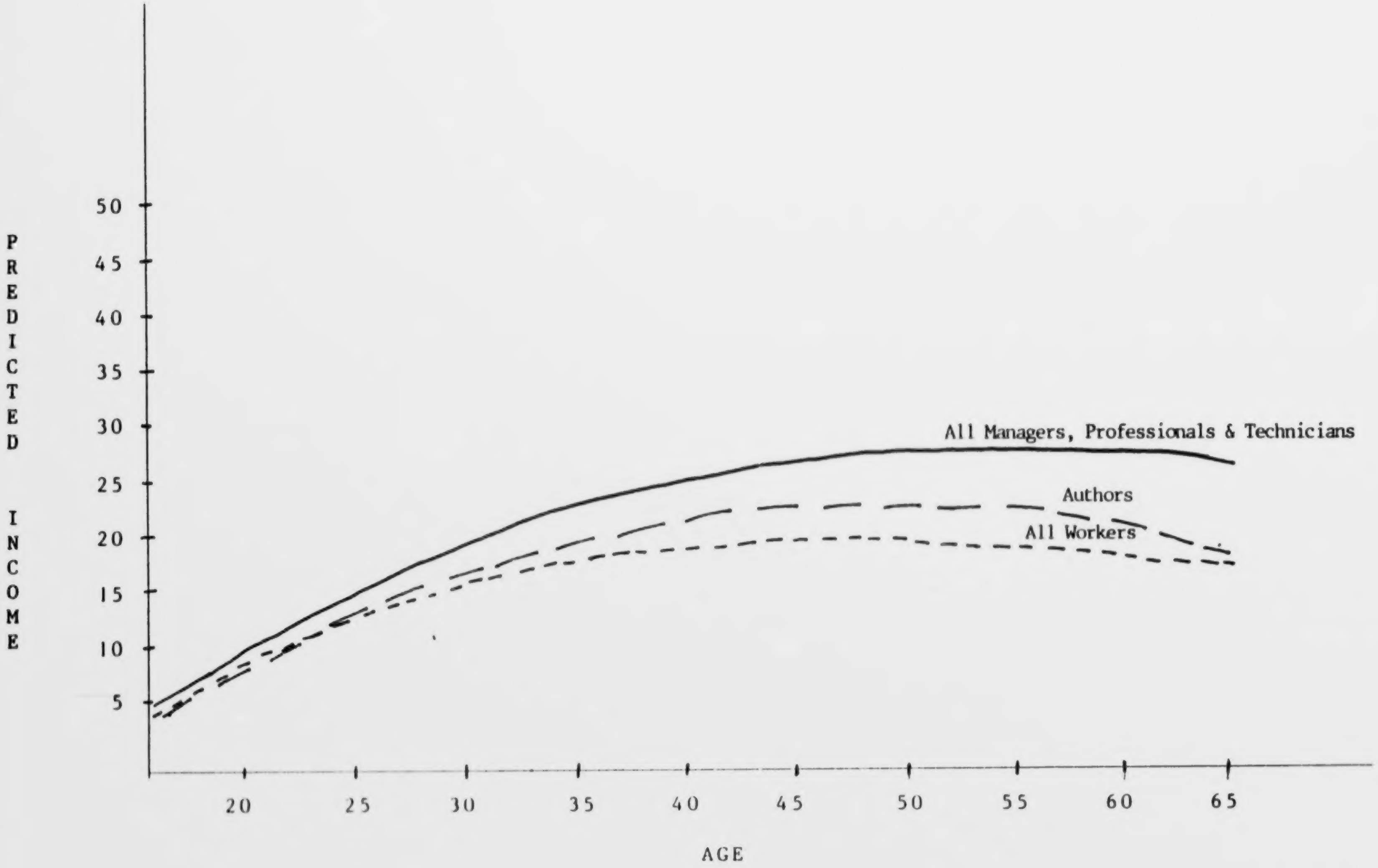


FIGURE 6a

AGE/EARNINGS PROFILES - DANCERS AND CHOREOGRAPHERS

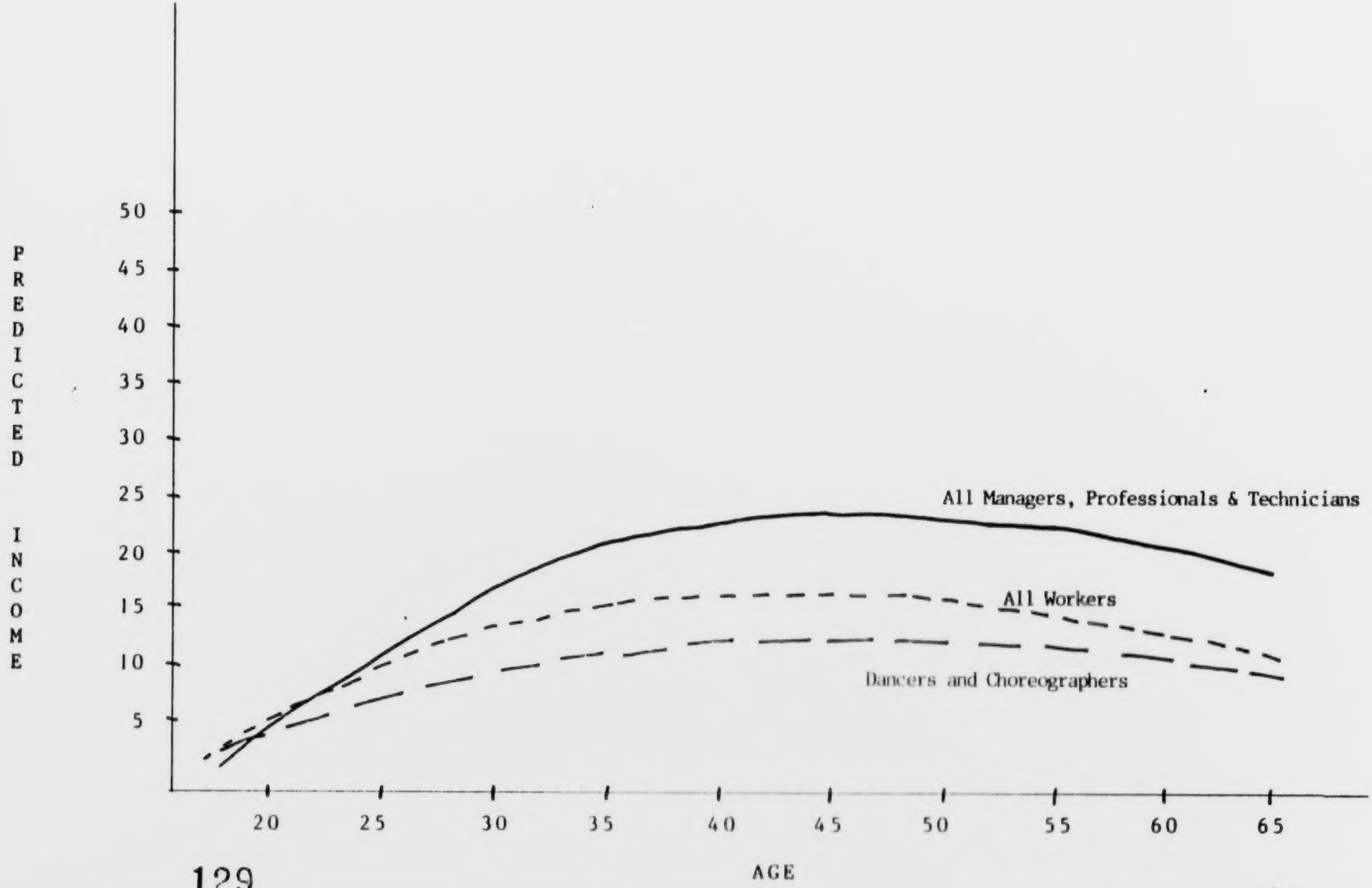


FIGURE 6b

AGE/EARNINGS PROFILES - DANCERS AND CHOREOGRAPHERS
(FULL-TIME, FULL-YEAR WORKERS ONLY)

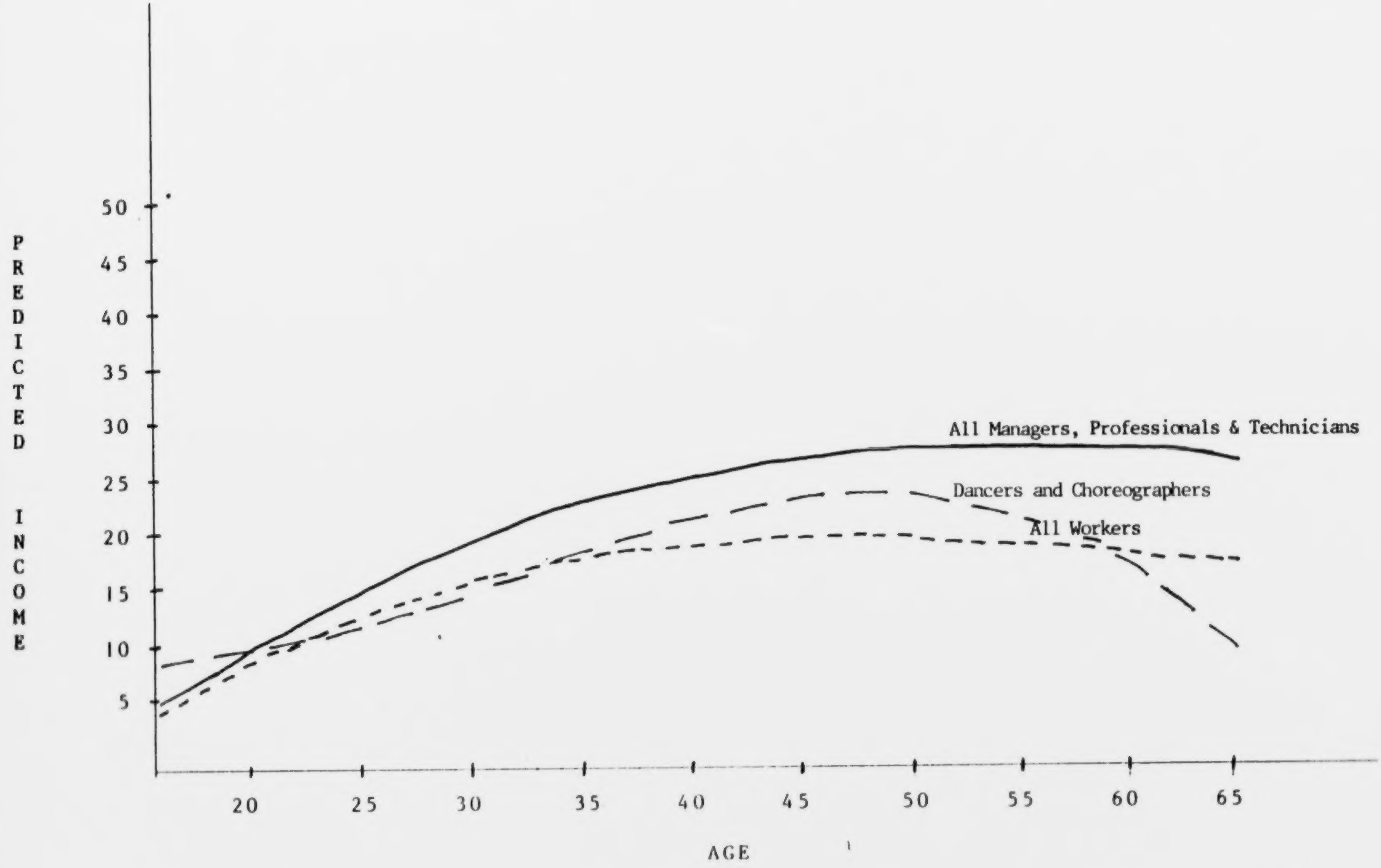


FIGURE 7a

AGE/EARNINGS PROFILES - DESIGNERS

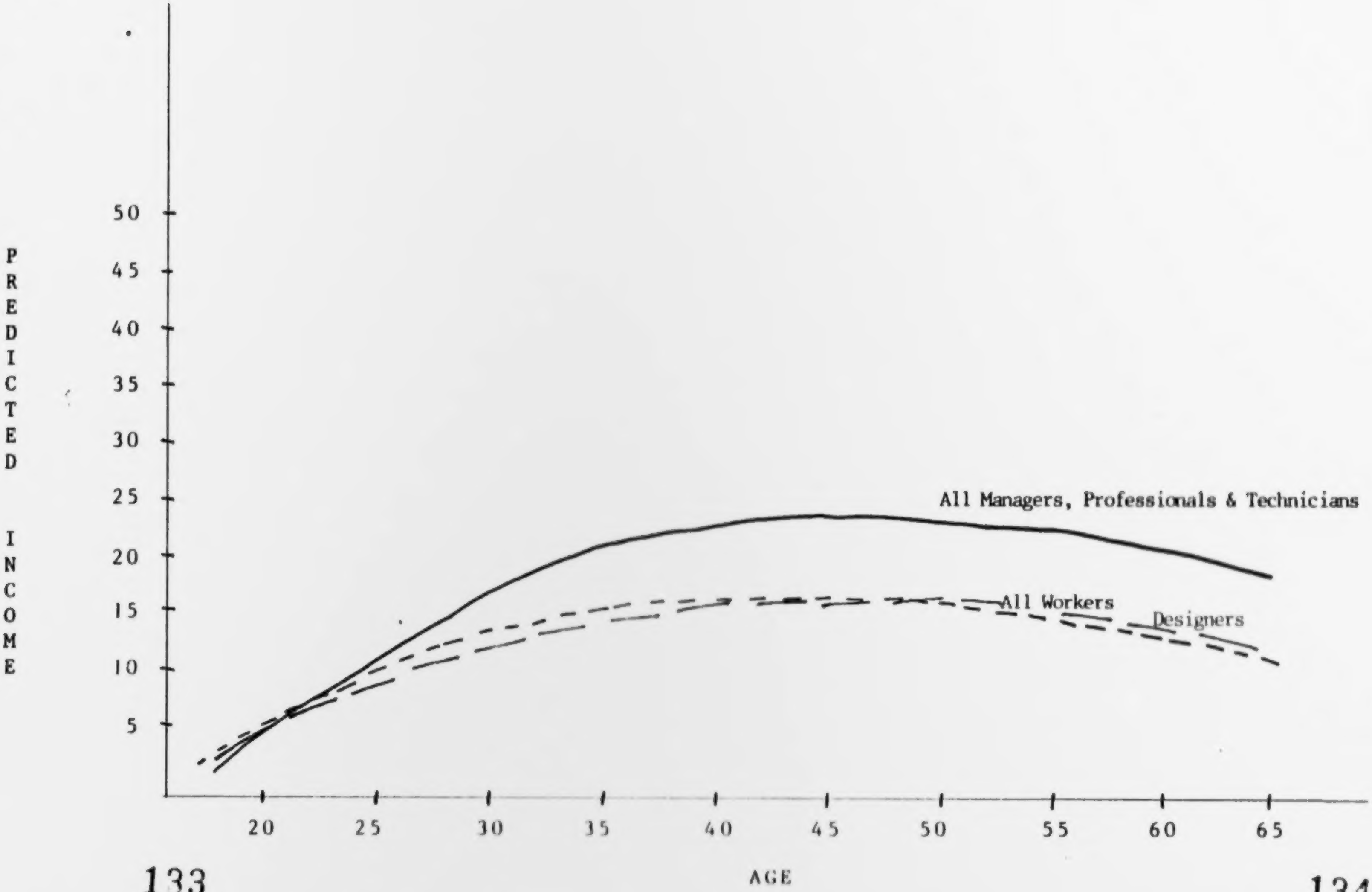


FIGURE 7b

AGE/EARNINGS PROFILES - DESIGNERS
(FULL-TIME, FULL-YEAR WORKERS ONLY)

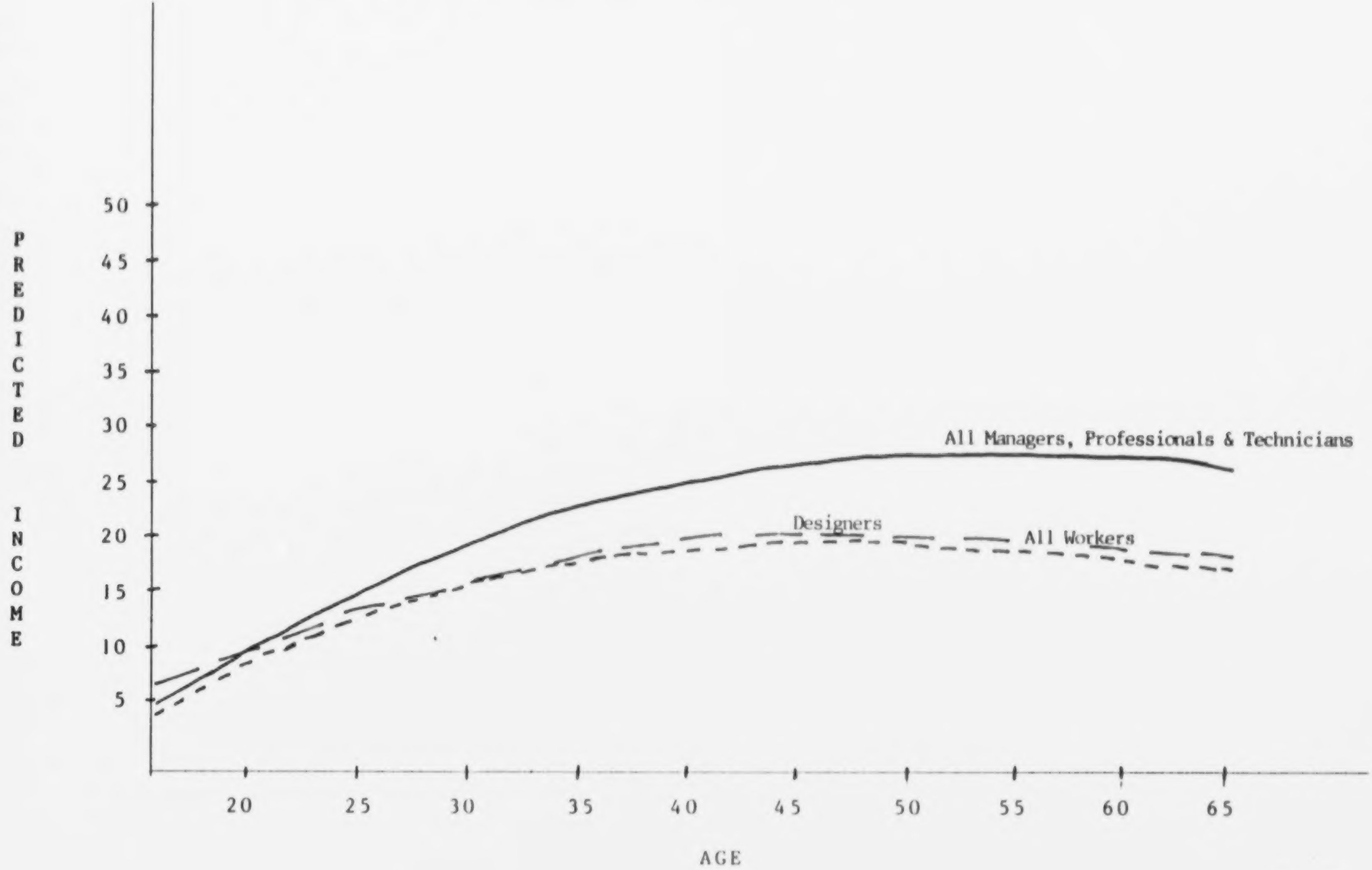


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FIGURE 8a

AGE/EARNINGS PROFILES - MUSICIANS AND COMPOSERS

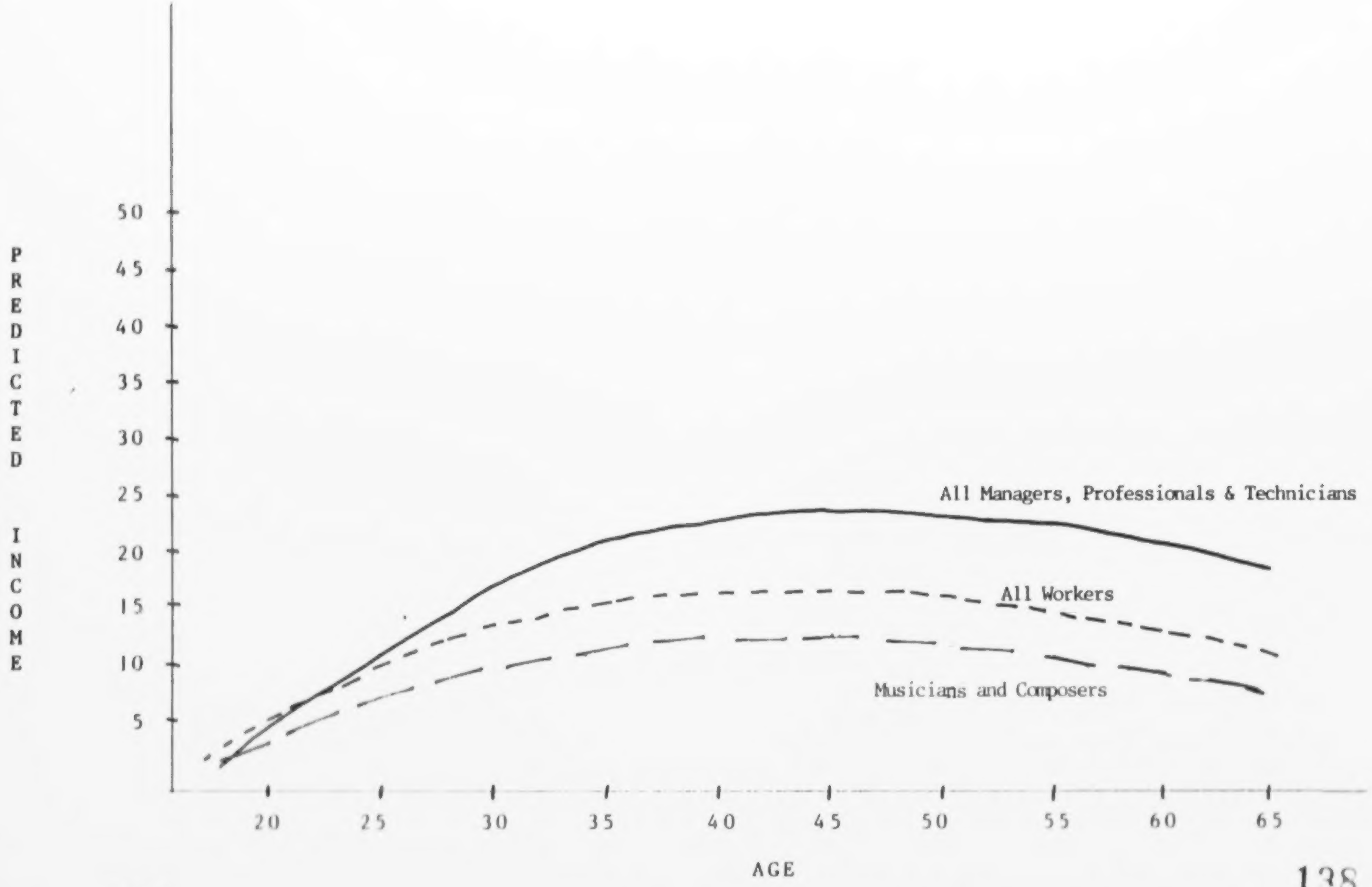

FIGURE 8b

AGE/EARNINGS PROFILES - MUSICIANS AND COMPOSERS
(FULL-TIME, FULL-YEAR WORKERS ONLY)

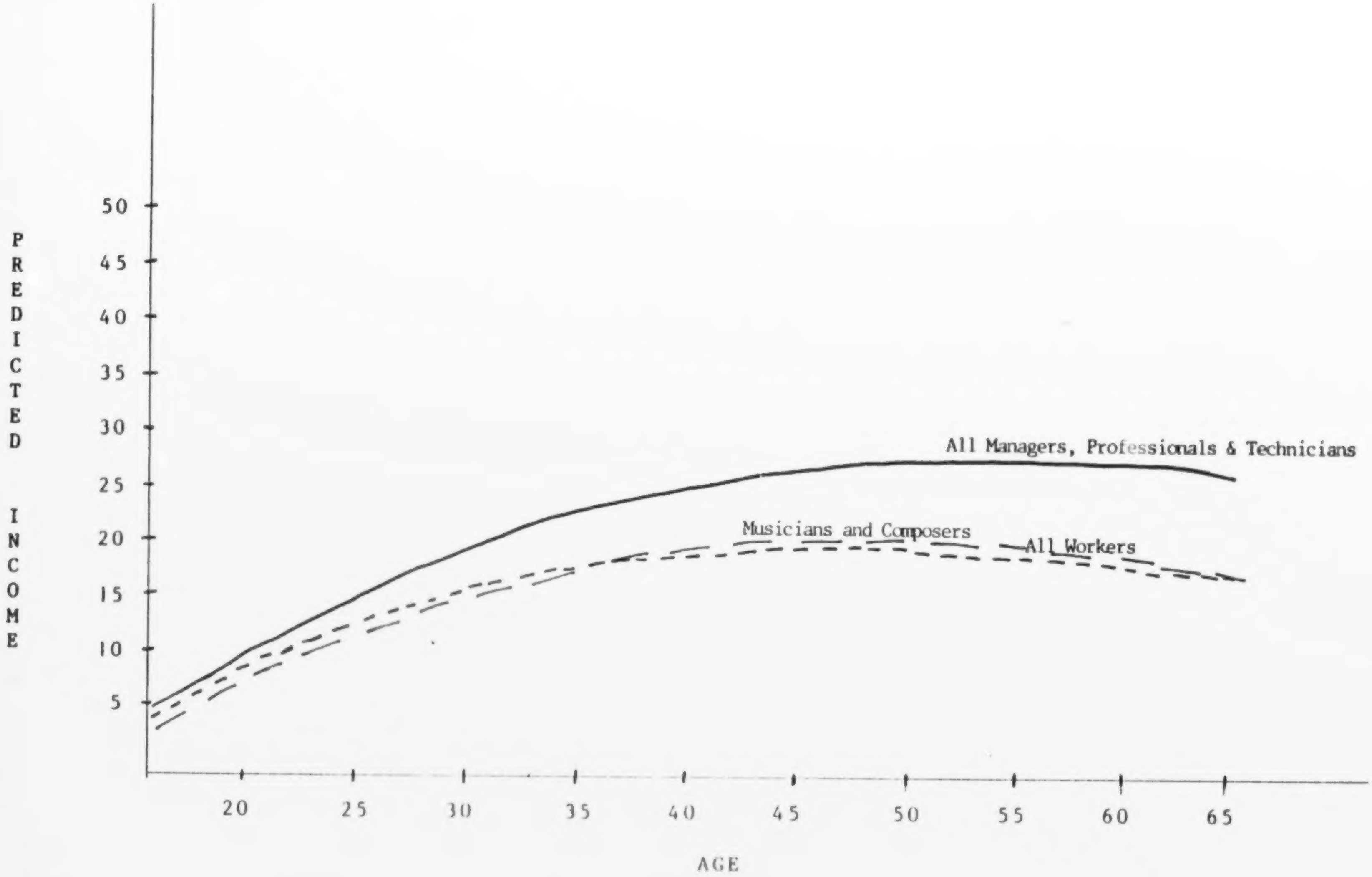

FIGURE 9a

AGE/EARNINGS PROFILES - PAINTERS AND SCULPTORS

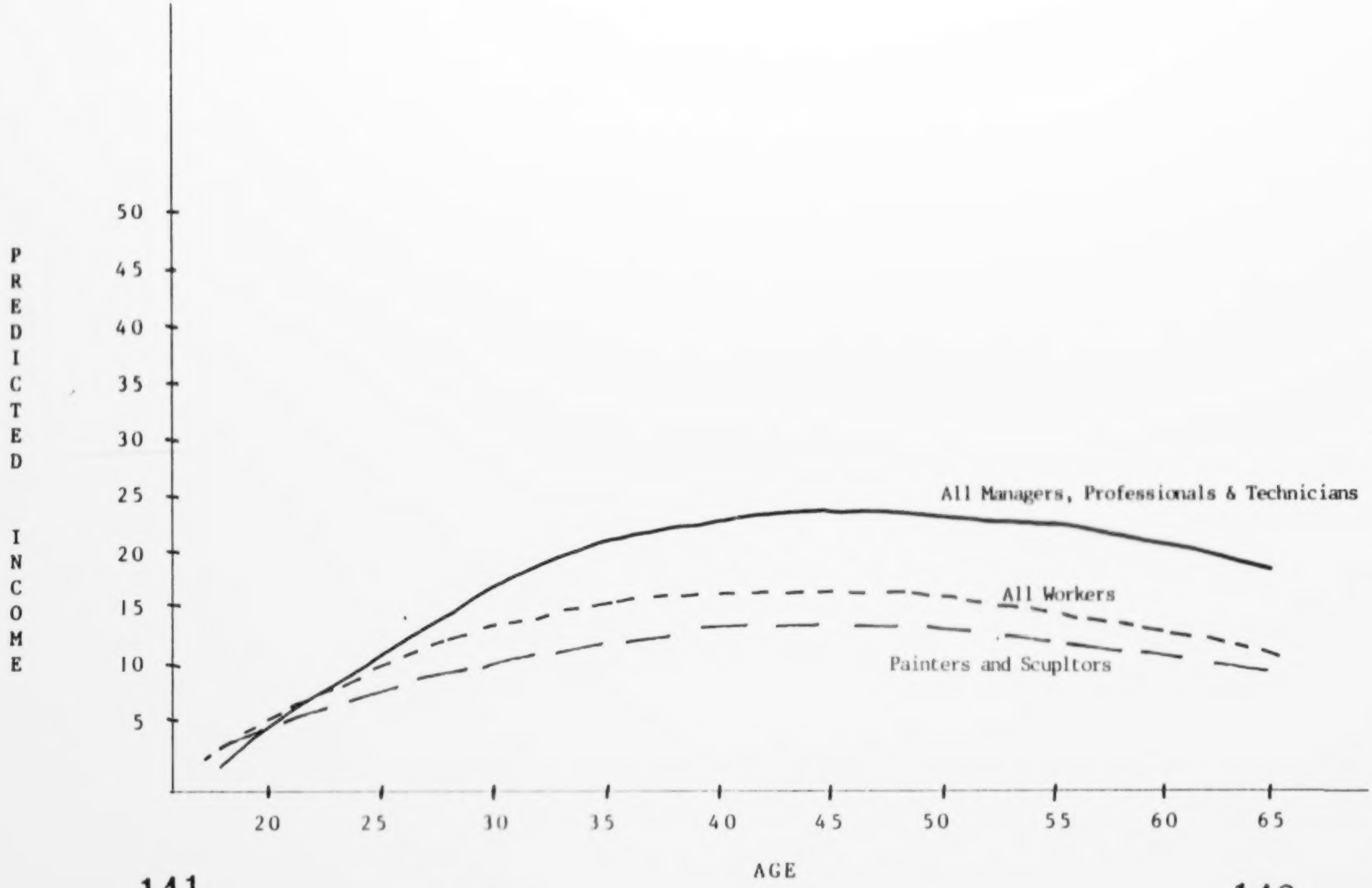

FIGURE 9b

AGE/EARNINGS PROFILES - PAINTERS AND SCULPTORS
(FULL-TIME, FULL-YEAR WORKERS ONLY)

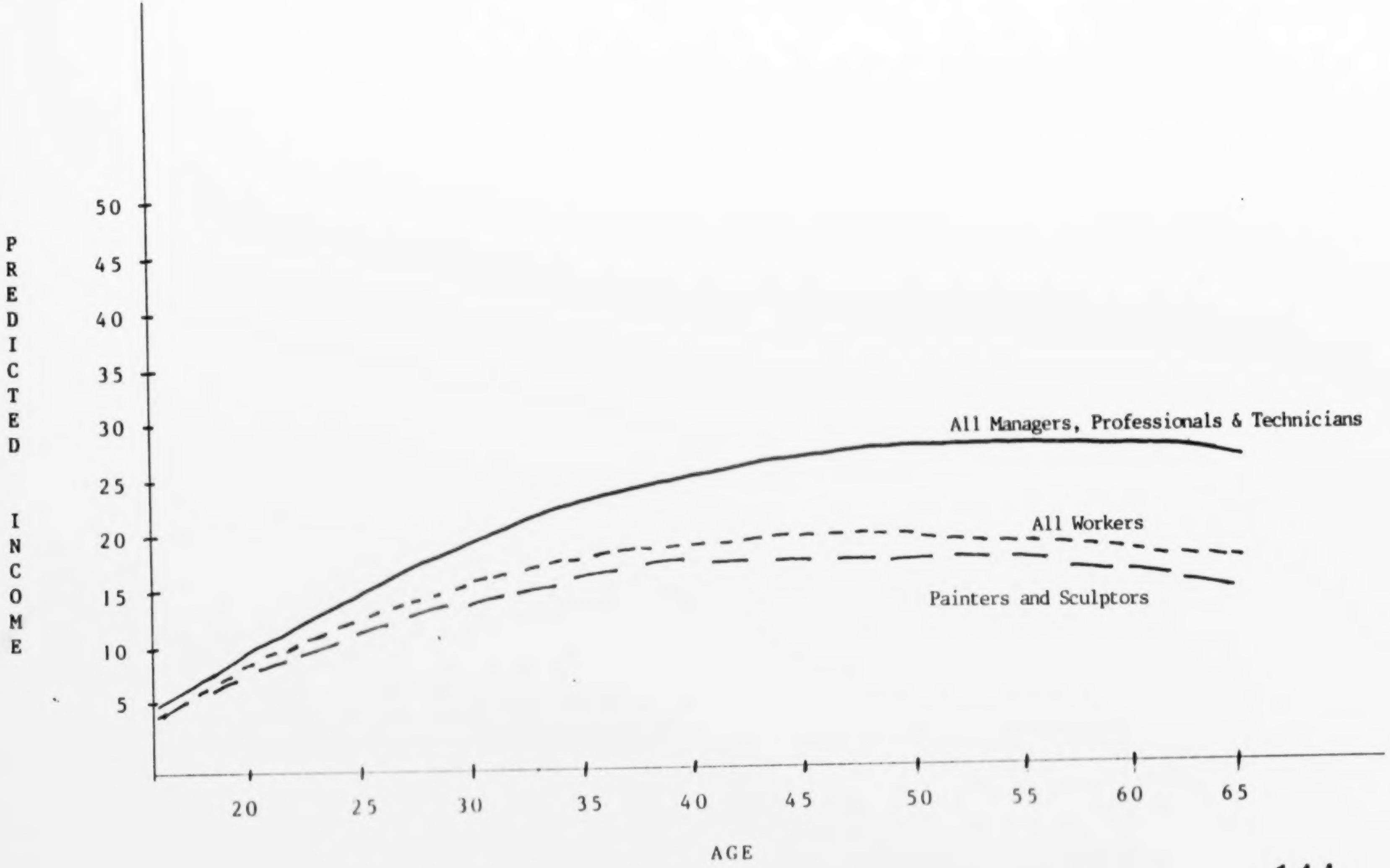

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FIGURE 10a

AGE/EARNINGS PROFILES - PHOTOGRAPHERS

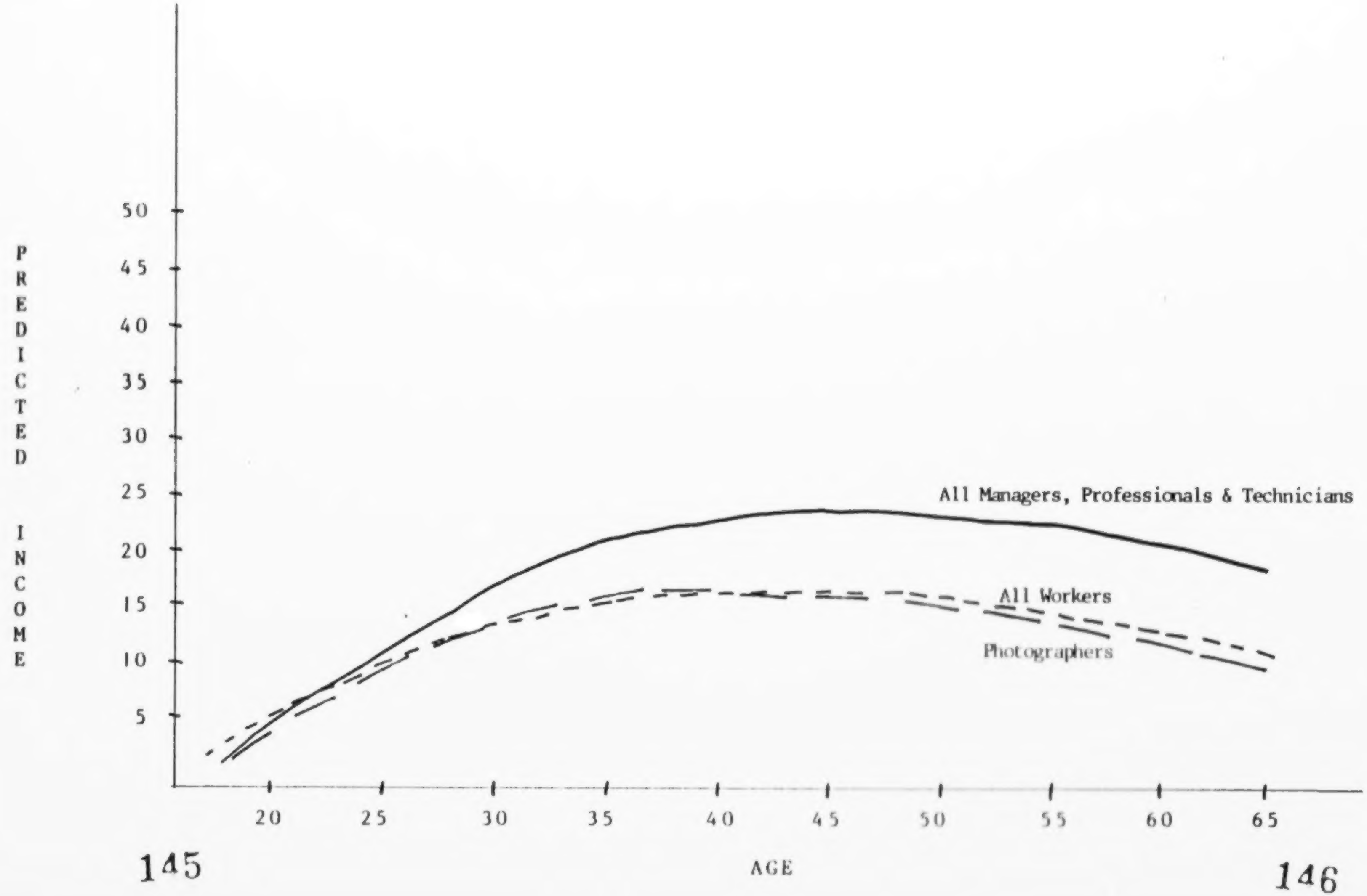


FIGURE 10b

AGE/EARNINGS PROFILES - PHOTOGRAPHERS
(FULL-TIME, FULL-YEAR WORKERS ONLY)

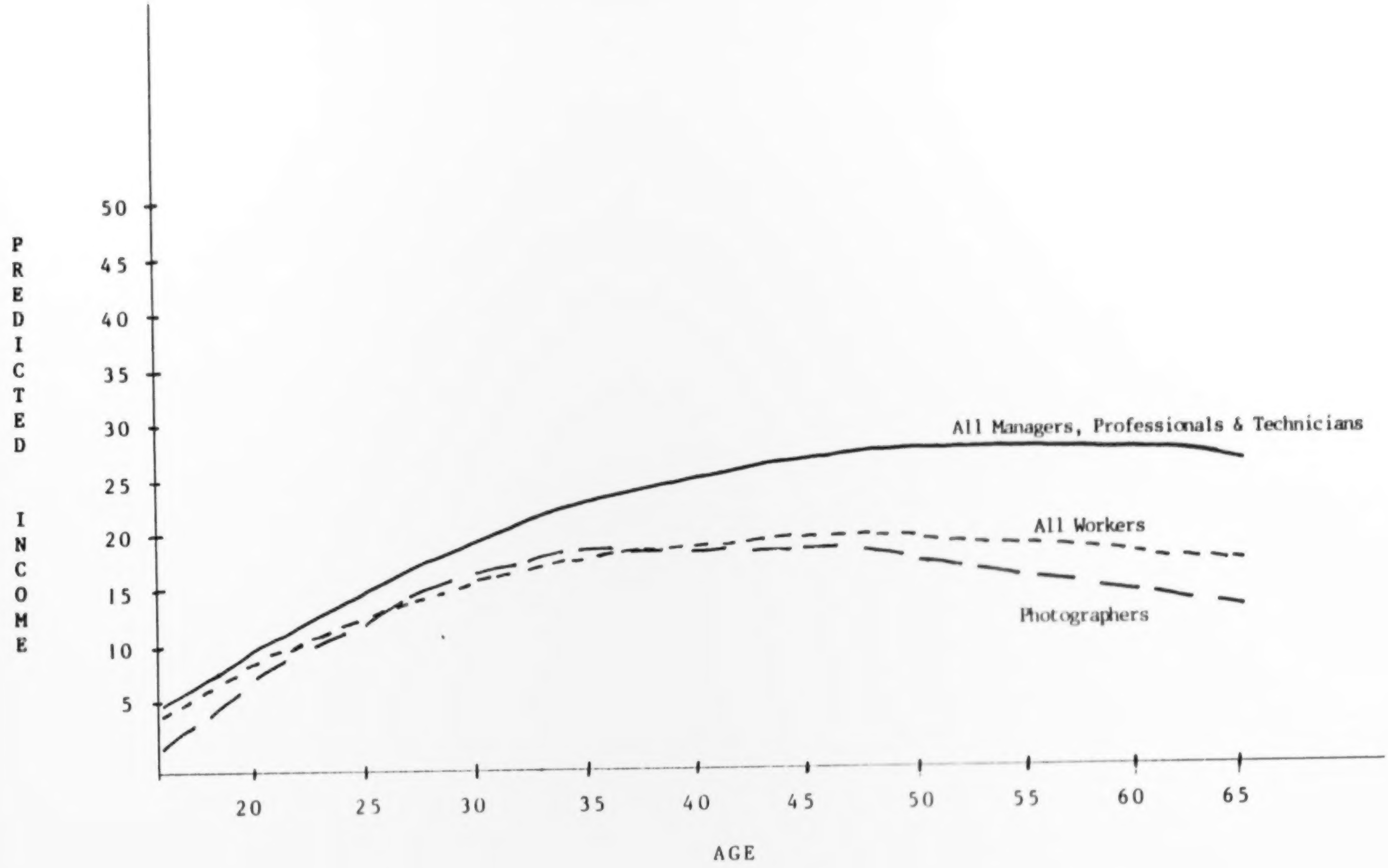
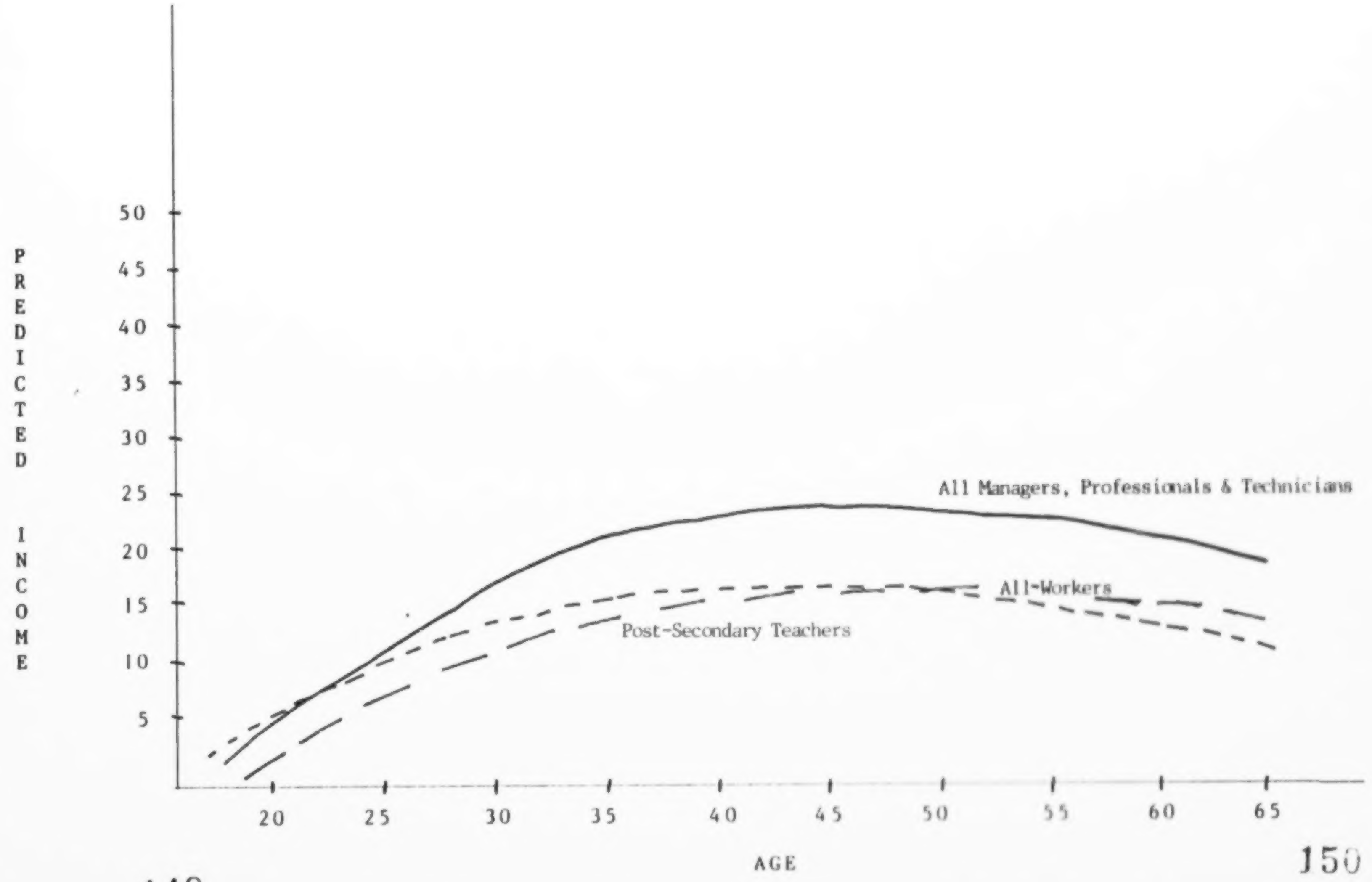


FIGURE 11a

AGE/EARNINGS PROFILES - POST-SECONDARY TEACHERS



## FIGURE 11b

## AGE/EARNINGS PROFILES - POST-SECONDARY TEACHERS
(FULL-TIME, FULL-YEAR WORKERS ONLY)

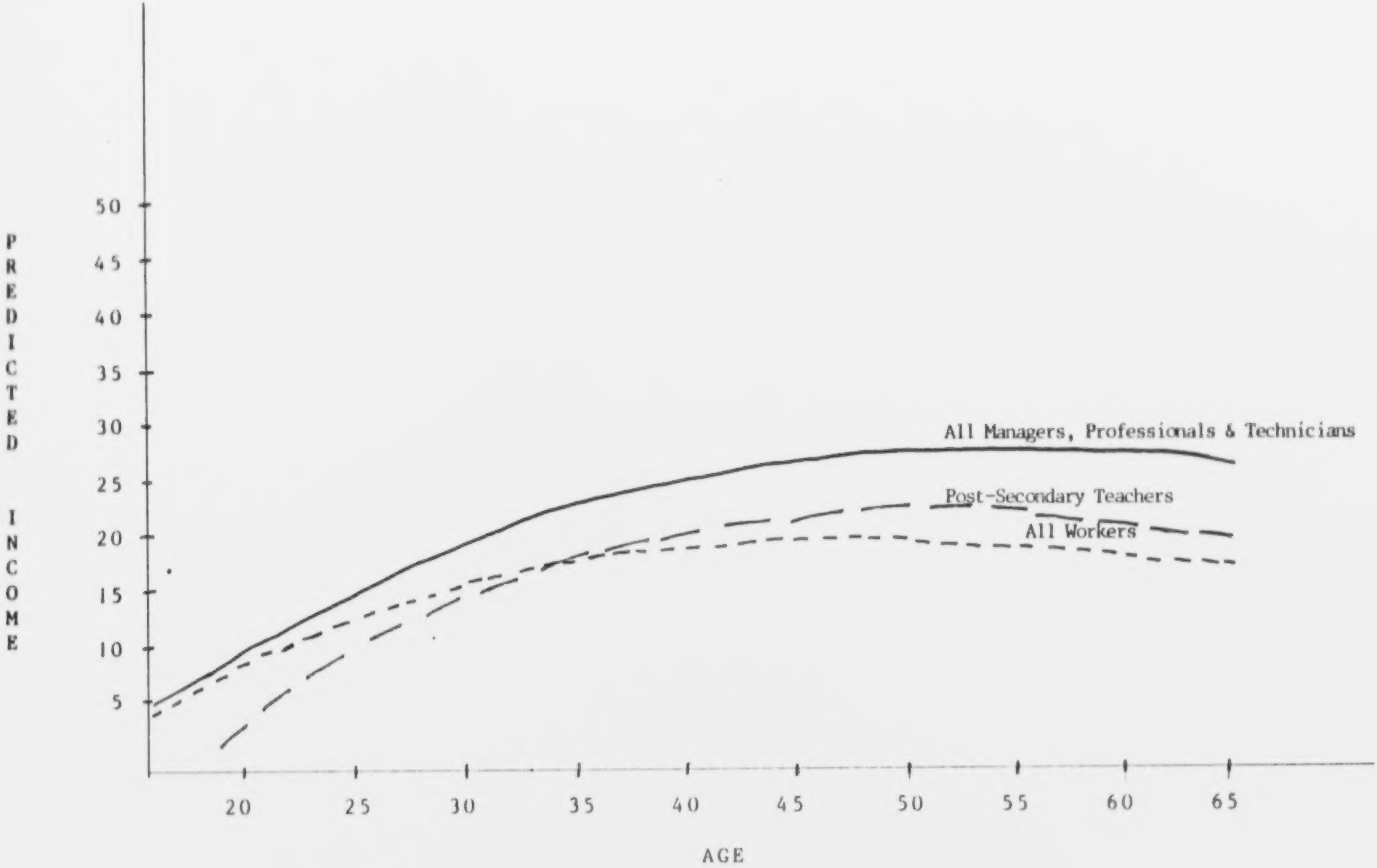


FIGURE 12a

AGE/EARNINGS PROFILES - ARTISTS NOT ELSEWHERE CLASSIFIED

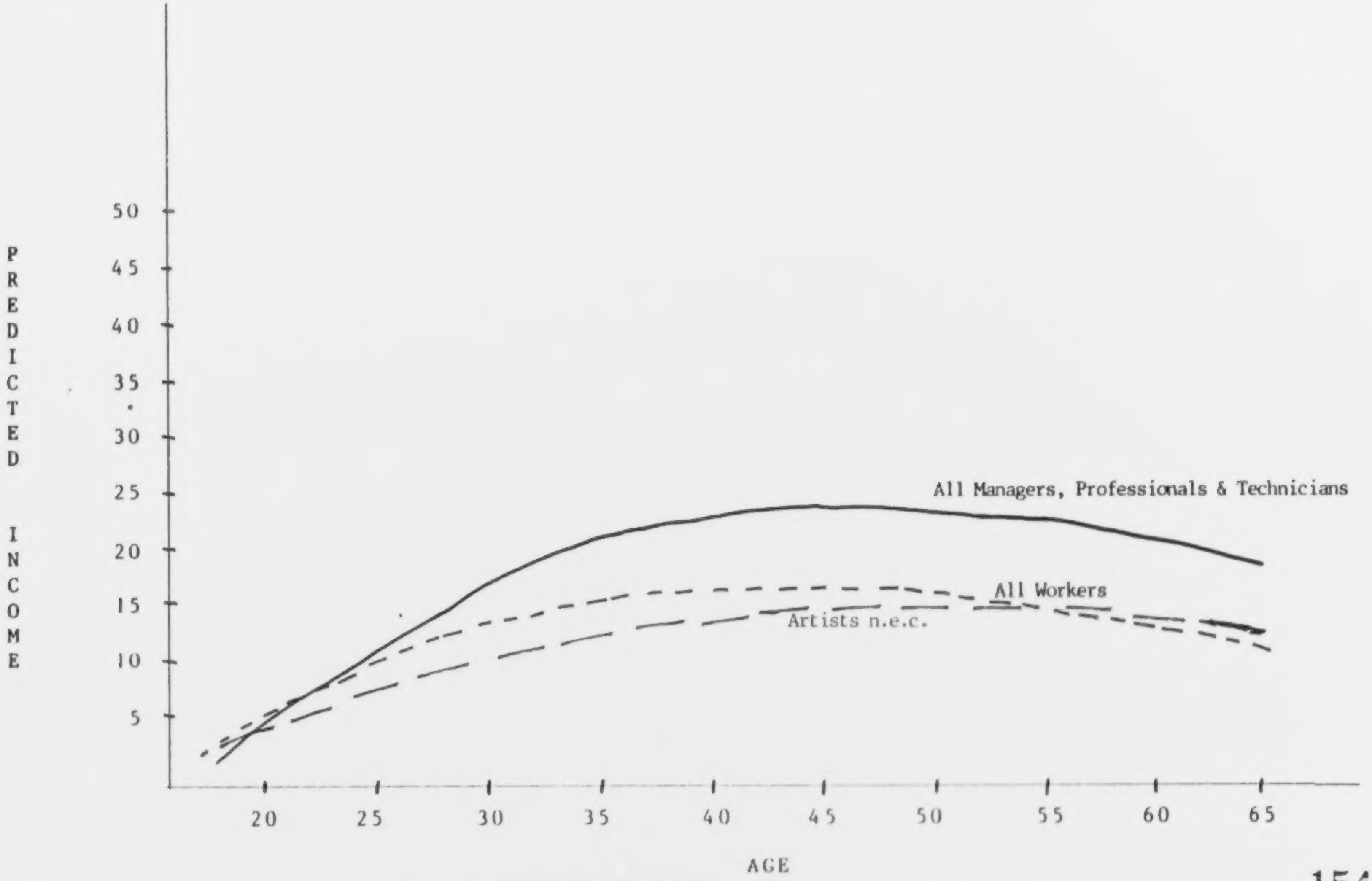
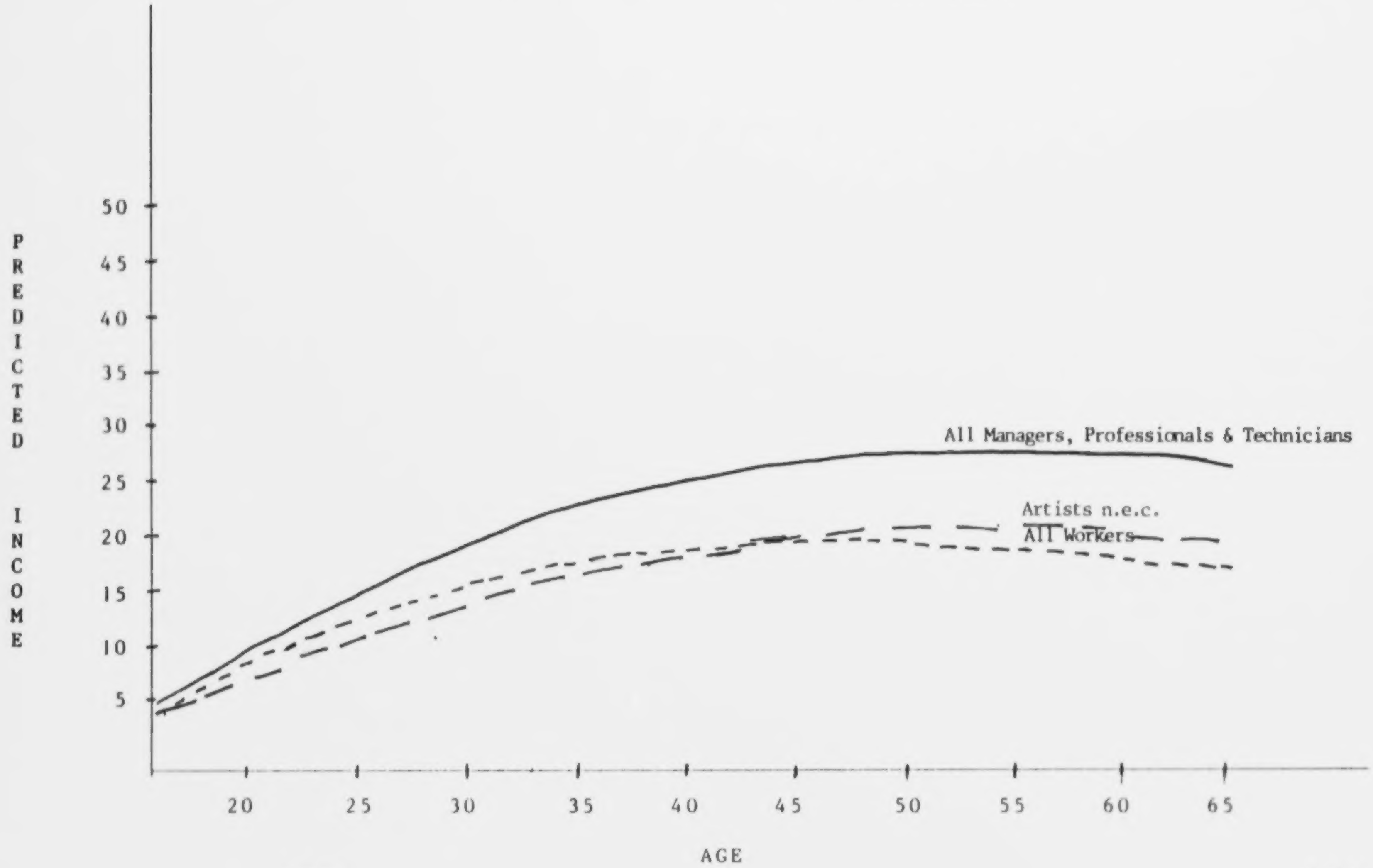


FIGURE 12b

AGE/EARNINGS PROFILES - ARTISTS NOT ELSEWHERE CLASSIFIED
(FULL-TIME, FULL-YEAR WORKERS ONLY)



## SECTION VIII

## EARNINGS BY EDUCATIONAL LEVEL AND SELF-EMPLOYMENT STATUS

One of the most common ways that workers increase their earnings is to invest in human capital to increase their productivity. For workers in most occupations, a large part of this human capital investment takes place during formal schooling. However, with respect to occupations in the arts, there is evidence that schooling does not increase workers' earnings to the same extent as prevails in other occupations.

Tables 22 and 23 present earnings for workers with various levels of formal schooling. Categories are based on the number of years of schooling completed, with those who have finished 12 years of formal schooling called "high-school graduates" and those with 16 years "college graduates." Once again, discussion will focus on comparisons of mean earnings of full-time, full-year workers.[27]

Looking at all artists combined, those who graduated from college but did no post-graduate work earned 21% more in 1979 than those who ended their schooling after high school. College graduate managers, professionals and technicians earned an average of 36% more than workers in these positions with a high-school degree[28] while for all workers, the possession of a college degree is associated with earnings 56% higher than are obtained by those who left school after high-school.

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[27] The numbers in the text are for artists in the restricted set of industries. The figures for all artists are, as has been the case throughout, almost identical.

There is a wide array of apparent returns to college training across the various types of artists. Authors with a college degree earn an average of 42% more than those with a high-school degree. Others with especially large differentials include announcers (33%) and actors and directors (18%). At the low end of the spectrum we find musicians and composers (9%), architects (7%),[29] artists not elsewhere classified (5%), photographers (4%) and, at the bottom of the barrel, painters and sculptors, where possession of a college-degree is actually associated with mean earnings 4% lower than those obtained by workers with only a high-school degree.

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[28] We cannot address the extent to which workers with only a high-school degree who achieve positions in this category are an unusual group. It is not even clear which way this selection would work. They may be especially talented to have achieved high-level positions despite their lack of formal education, or they may be in the lowest rank of the positions included in this category.

[29] Lest one think this is because most architects have post-college training, it should be noted that mean 1979 earnings for architects did not increase for those who had education beyond college. Architects with only a high school degree had mean earnings of $25,307. Those who ended schooling with a college degree averaged $27,152 while those who went on beyond college earned an average of only $402 more.

Given that they have finished college, going on to post-graduate work seems to be a relatively good idea for artists. Completing at least one year past college results in an increase in mean earnings of 20% for artists, 24% for managers, professionals and technicians and 27% for all workers over what these groups averaged with college degrees.

It is important to consider potential biases before reaching a conclusion that artists do not, in general, profit greatly from formal education. Most crucially, as was seen in the previous section, artists tend to be younger than the general workforce. No matter what their educational level, younger workers have lower earnings than older workers in similar occupations. Furthermore, educational levels have been increasing over time so that we would expect younger workers to have higher levels of education than older ones. The combination of these two factors may make it appear that artists do not profit from education when in fact the result arises simply from an a higher proportion of well educated, young workers among artists who have low earnings because they are young not because they are well educated.

This suggests that we should compare earnings for workers with different levels of education standardizing for age. This comparison can be most easily seen by comparing age/earnings profiles for workers with different levels of education. Figures 13 through 25 present these comparisons for the two comparison groups, all artists and ten of the different types of artists identified in Census data[30]. In each figure, two age/earnings profiles are presented. One is for workers who have completed twelve years of schooling but have not continued beyond that point. The other is for workers who ended their formal education after sixteen years of schooling. These age/earnings profiles were calculated in the manner described in the previous section by regressing mean earnings at each age on a constant and linear, quadratic and cubic terms in age.[31]

If we compare the returns to education for all artists shown in Figure 15 with those for the two reference groups in Figures 13 and 14, it is obvious that there is a difference between artists and other groups. While college-trained artists can expect to earn more at every age than those who ended their education after high school, this difference is smaller at all ages for artists than it is for either of the comparison groups. Thus, the smaller difference in earnings between college and high school graduates among artists than among other workers seen in Tables 22 and 24 is not entirely due to differences in the age structures of the occupations.

---

[30] Because the figures are limited to those with exactly twelve and sixteen years of schooling, the category of "Post-Secondary Teachers of Art, Music and Drama" has been omitted. Credentials required by most colleges and universities for faculty appointment mean that most individuals who are in this category have post-college education. Those who are appointed to university faculties without such degrees are, by definition, an unusual and likely to be highly talented group. Thus, it is not clear how to interpret "returns to college" for this occupation.

[31] Since there are a limited number of workers with exactly twelve or sixteen years of schooling in some of the artistic occupations, in order to increase sample sizes these results are for the full sample of artists without the industry restrictions. As we have seen throughout this report, the imposition of these restrictions appears to make little, if any, difference in results.

Examination of Figures 16 through 25 where the age/earnings profiles for high school and college graduates practicing each of the various types of art are presented reveals that only for actors and directors and announcers do these age/earnings profiles clearly follow the typical pattern of significant positive effects of a college education on earnings throughout the work life. For actors and directors, this effect is particularly important late in their working life. There is also evidence of a moderate positive impact of college on lifetime earnings for architects and designers.

For the remaining seven groups of artists, there is little, if any, evidence that completing sixteen years of education significantly increases their earnings above what they would have been had these artists ended their schooling after completing twelve years of formal education. While for most of these groups mean 1979 earnings of college graduates exceeded those of high school graduates at most ages, this difference was typically small. Indeed, for much of their working lives, dancers and musicians and composers who terminated their schooling after high school actually had higher average earnings than those who went on to complete college.

It is perhaps easier to see the difference in the effects of a college education on earnings among the various groups if we collapse the profiles in Figures 13 through 25 into a single summary measure. Table 24 contains the present value of the difference between mean earnings of college graduates and those of high school graduates discounted to age 22 (the assumed age of college graduation).[32] A variety of real interest rates ranging from 0% to 4% have been used. Over the long-term in the United States, 2% would seem to be a reasonable approximation of real interest rates, and the discussion that follows will be focused on the predicted present value of a college education using a 2% discount rate. The reader should be sure to understand that the figures presented in Table 24 are the present discounted value of the differences in earnings between college and high school graduates, not the return on a college education. In particular, they have not taken into account the costs of attending college. Combining tuition and foregone earnings, an estimate of college costs in 1979 of between $50,000 and

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[32] It should be emphasized that this use of a "synthetic cohort," although commonly done, does not enable us to trace the anticipated life-time earnings path of workers in any given cohort. In particular, such synthetic cohorts derived from a single cross-section tend to show less pronounced growth (or even a decline) in earnings at later ages than is typically observed when tracing given individuals as they age.

$100,000[33] would seem reasonable. Thus, the appropriateness of attending college for any worker would involve a comparison of the projected increase in his or her earnings with an appropriate cost figure.

No matter what discount rate is chosen, the increase in the present discounted value of earnings for artists from completing college is less than two-thirds of that for either all workers or all managers, professionals and technicians. Using a 2% discount rate, artists who attend college are predicted, on average, to increase their lifetime earnings by approximately $150,000 as compared with in increase in lifetime earnings from college attendance of about $238,000 for both of the reference groups.

The patterns discerned by visual inspection of Figures 16 through 25 are confirmed in Table 24. Actors and directors have the largest predicted increase in their lifetime earnings from college attendance (over $255,000 using a 2% discount rate). Announcers are next in line with a predicted increase in earnings of approximately $225,000 assuming the 2% discount rate. The only other groups with a predicted increase in lifetime earnings from completing sixteen as opposed to twelve years of schooling in excess of $100,000 are designers ($149,000) and architects ($133,000). At the low end of the spectrum, painters and sculptors with sixteen years of schooling are predicted to earn lifetime incomes only $30,000 higher than painters and sculptors with twelve years of formal education while musicians and composers are actually predicted to earn a few dollars less on a lifetime basis if they complete sixteen years of schooling than if they stop after twelve years.

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[33] We do not make any allowance for the fact that some college costs may be born by society (in public) or philanthropists (in private) institutions. Obviously, to the extent that this is the case, a private decision to attend college may be justified even if from society's point of view the benefits do not justify the costs.

Because the predicted age/earnings profiles in Tables 16 through 25 do not always exhibit the same life-cycle pattern, the choice of a discount rate significantly affects the relative attractiveness of college training across the various types of artists. This is especially true of dancers and choreographers, where possession of a college degree seems to enable workers to maintain incomes at older ages (when skills may have diminished) far better than if they did not have this training. However, the important point remains that educational attendance has a generally lower impact in increasing earnings for artists than it does for other workers and that there appears to be particularly little benefit from formal of schooling beyond high school for musicians and composers and painters and sculptors.

The role of ability biases in the comparison of earnings of college and high school graduates deserves consideration.

The ideal experiment is to compare earnings for a given individual had he or she attended college and not attended college. Obviously, this experiment is impossible since any particular worker must fall into one category or the other. We are therefore forced to compare college graduates with a different group of workers who opted not to attend college. Typically, it is assumed that workers who attended college are more intelligent and able in a number of ways that would have enabled them to earn higher wages than those who did not go on to college even if they had stopped their education after high school. Thus, it is conventionally assumed that such ability biases will cause the measured return to college to be overstated by the extent that college graduates' earnings would have exceeded high school graduates' even without the benefit of college.

With respect to artists, there is substantial reason to doubt that this conventional analysis is appropriate. The arts contain occupations in which it is possible to achieve considerable professional success at a very young age. This is particularly true with respect to actors, dancers, and musicians. Thus, ability biases may work in the opposite direction for artists than they do for other workers. Unlike intellectual ability, there is no reason to suppose that artistic talent should be strongly correlated with college attendance. Indeed, particularly talented artists are likely to find that school attendance interferes with an already booming career. Thus, the most talented artists may never attend college, leaving those with less talent in the group of college graduates. Since talent is likely to be a major contributor to artists' earnings, this suggest that artists who never attended college might do even better than those who did go on had they also opted for further education.

The final columns of Tables 22 and 23 show earnings for self-employed and wage and salaried artists. As was hypothesized above, there is a much smaller reported premium for self-employment among artists than for workers in general or managers, professionals and technicians. Self-employed artists who worked both full-time and for the full year during 1979 reported earnings approximately 10 percent higher than artists who were on payrolls. This contrasts with earnings 50 percent higher for all workers and 68 percent higher for self-employed managers, professionals and technicians. It cannot be determined from Census data whether this difference represents a real effect or results from differential measurement problems with self-employment income figures for artists and other workers.

It is clear from Tables 22 and 23 that there are substantial differences among various types of artists in the relationship of earnings of self-employed workers to those of employees. Self-employed authors and musicians and composers report significantly lower earnings than authors and musicians and composers on formal payrolls. Reported earnings for self-employed and other photographers, painters and sculptors, artists not elsewhere classified and designers are approximately equal to those for workers in these occupations who are more formally employed. Finally, the difference between earnings for self-employed and payroll actors and directors, architects and announcers approximates that found in the general workforce.

## Table 22a

## Mean Earnings of Artists by Education and Employment Status
(With No Industry Restrictions)

Mean Earnings, 1979
Mean Earnings of Full-time, Full-Year Workers, 1979

| | Less Than High School | High School Graduate | Some College | College Graduate | Post College | Salaried | Self Employed |
|---|---|---|---|---|---|---|---|
| Actors and Directors | $13,374<br>29,130 | $15,646<br>21,634 | $16,497<br>21,860 | $20,267<br>25,772 | $21,547<br>27,788 | $17,045<br>23,350 | $25,161<br>32,414 |
| Announcers | 5,136<br>12,255 | 10,444<br>14,490 | 9,916<br>14,619 | 15,991<br>19,468 | 20,684<br>27,081 | 11,241<br>16,385 | 17,820<br>28,540 |
| Architects | 9,488<br>15,917 | 16,313<br>21,480 | 18,509<br>23,589 | 21,584<br>25,429 | 24,404<br>27,112 | 19,325<br>22,594 | 25,555<br>31,004 |
| Authors | 9,694<br>13,049 | 11,246<br>14,525 | 11,325<br>18,209 | 13,321<br>18,976 | 14,850<br>21,600 | 15,491<br>21,946 | 12,323<br>18,035 |
| Dancers and Choreographers | 5,619<br>9,606 | 7,900<br>12,922 | 6,452<br>12,579 | 8,822<br>13,376 | 6,644<br>** | 6,853<br>11,890 | 8,345<br>14,360 |
| Designers | 7,724<br>12,328 | 10,720<br>15,127 | 13,201<br>17,784 | 14,669<br>18,906 | 16,608<br>20,901 | 12,548<br>17,176 | 12,698<br>17,398 |
| Musicians and Composers | 6,181<br>12,760 | 8,272<br>14,543 | 7,591<br>14,520 | 8,774<br>14,953 | 10,872<br>18,197 | 7,916<br>15,539 | 8,935<br>14,705 |
| Painters and Sculptors | 8,467<br>13,951 | 10,697<br>14,659 | 10,024<br>14,726 | 10,241<br>14,347 | 10,536<br>14,966 | 10,684<br>14,459 | 9,563<br>14,360 |
| Photographers | 8,434<br>14,796 | 11,774<br>15,703 | 11,268<br>15,075 | 12,803<br>16,154 | 11,590<br>14,957 | 11,212<br>15,648 | 11,925<br>15,118 |
| Post-secondary Teachers | 10,438<br>** | 8,965<br>19,401 | 4,777<br>12,605 | 8,787<br>16,527 | 14,500<br>19,611 | 12,286<br>18,860 | **<br>** |
| Artists n.e.c. | 7,400<br>12,883 | 10,266<br>15,173 | 9,492<br>14,475 | 12,574<br>17,547 | 12,337<br>19,967 | 8,930<br>14,551 | 12,681<br>17,248 |
| All Artists | 7,691<br>13,453 | 10,807<br>15,568 | 11,607<br>17,064 | 14,055<br>19,162 | 17,261<br>22,960 | 12,299<br>17,677 | 13,378<br>19,607 |
| All Workers | 8,325<br>12,912 | 10,937<br>14,282 | 11,857<br>16,577 | 17,409<br>22,248 | 22,483<br>28,238 | 11,346<br>15,769 | 18,852<br>23,687 |
| All Managerial Prof. & Tech. | 12,818<br>17,137 | 14,772<br>17,576 | 14,951<br>19,408 | 18,757<br>23,875 | 23,797<br>29,516 | 16,739<br>20,891 | 28,891<br>35,125 |

## Table 22b

## Median Earnings of Artists by Education and Employment Status
(With No Industry Restrictions)

Median Earnings, 1979
Median Earnings of Full-time, Full-Year Workers, 1979

| | Less Than High School | High School Graduate | Some College | College Graduate | Post College | Salaried | Self Employed |
|---|---|---|---|---|---|---|---|
| Actors and Directors | $4,045<br>16,005 | $8,845<br>14,005 | $10,005<br>15,455 | $12,505<br>17,820 | $15,005<br>19,805 | $11,005<br>16,915 | $13,145<br>20,285 |
| Announcers | 2,505<br>9,745 | 7,065<br>10,405 | 7,105<br>11,160 | 10,585<br>13,005 | 13,005<br>18,010 | 7,655<br>11,965 | 7,605<br>20,005 |
| Architects | 6,125<br>10,255 | 12,005<br>17,360 | 16,005<br>20,005 | 18,005<br>21,008 | 20,005<br>22,005 | 18,005<br>20,005 | 19,505<br>24,505 |
| Authors | 5,255<br>10,625 | 6,005<br>11,215 | 5,115<br>12,255 | 7,005<br>13,005 | 8,005<br>14,103 | 10,925<br>16,538 | 5,705<br>10,505 |
| Dancers and Choreographers | 3,345<br>7,905 | 5,455<br>10,005 | 4,005<br>9,525 | 6,005<br>10,005 | 4,005<br>** | 4,685<br>9,505 | 5,255<br>12,005 |
| Designers | 5,005<br>9,830 | 7,505<br>12,770 | 10,690<br>16,005 | 12,005<br>16,005 | 14,005<br>18,005 | 10,005<br>15,255 | 8,005<br>12,165 |
| Musicians and Composers | 3,505<br>9,005 | 5,010<br>10,005 | 4,005<br>10,405 | 5,145<br>11,945 | 6,705<br>15,005 | 4,295<br>12,005 | 5,205<br>9,955 |
| Painters and Sculptors | 5,270<br>12,005 | 8,065<br>12,008 | 8,005<br>12,170 | 8,005<br>12,005 | 7,255<br>12,005 | 9,625<br>12,995 | 5,005<br>10,005 |
| Photographers | 5,005<br>12,005 | 9,885<br>14,005 | 8,910<br>12,705 | 10,215<br>13,225 | 9,740<br>12,010 | 9,520<br>13,815 | 8,230<br>11,575 |
| Post-secondary Teachers | 9,303<br>** | 3,955<br>19,020 | 2,005<br>10,710 | 6,505<br>14,505 | 14,195<br>19,005 | 11,005<br>18,010 | **<br>** |
| Artists n.e.c. | 4,005<br>9,820 | 6,330<br>11,045 | 6,005<br>12,005 | 8,875<br>13,165 | 7,598<br>14,290 | 6,005<br>12,285 | 7,755<br>11,505 |
| All Artists | 4,410<br>10,005 | 7,505<br>12,505 | 8,005<br>14,465 | 10,005<br>15,005 | 13,755<br>18,505 | 9,505<br>15,005 | 7,425<br>13,005 |
| All Workers | 6,005<br>10,955 | 9,005<br>12,005 | 9,505<br>14,045 | 14,005<br>18,005 | 18,005<br>22,005 | 9,005<br>13,205 | 11,078<br>15,005 |
| All Managerial Prof. & Tech. | 9,885<br>13,120 | 12,005<br>15,005 | 12,005<br>16,005 | 15,005<br>19,005 | 18,605<br>22,905 | 14,025<br>17,605 | 18,005<br>24,005 |

## Table 23a

## Mean Earnings of Artists by Education and Employment Status With Industry Restrictions

Mean Earnings, 1979
Mean Earnings of Full-Time, Full-Year Workers, 1979

| | Less than High School | High School Graduate | Some College | College Graduate | Post College | Salaried | Self Employed |
|---|---|---|---|---|---|---|---|
| Actors and Directors | $14,112 | $15,862 | $16,618 | $20,405 | $21,321 | $17,101 | $25,182 |
| | 30,781 | 22,052 | 21,871 | 25,927 | 27,958 | 23,383 | 32,695 |
| Announcers | 5,113 | 10,759 | 10,222 | 15,945 | 20,247 | 11,523 | 19,001 |
| | 12,617 | 14,617 | 14,959 | 19,477 | 27,122 | 16,663 | 29,850 |
| Architects | 13,206 | 21,745 | 21,513 | 23,496 | 25,040 | 20,083 | 30,595 |
| | 20,905 | 25,307 | 26,313 | 27,152 | 27,554 | 22,883 | 34,168 |
| Authors | 8,993 | 10,689 | 10,974 | 13,191 | 14,174 | 15,208 | 12,275 |
| | 13,100 | 13,249 | 18,243 | 18,806 | 21,149 | 23,964 | 17,934 |
| Dancers and Choreographers | 5,731 | 7,948 | 6,633 | 8,816 | 4,951 | 6,843 | 8,238 |
| | 9,554 | 13,181 | 13,257 | ** | ** | 11,694 | ** |
| Designers | 14,153 | 14,583 | 14,468 | 16,576 | 17,533 | 15,289 | 17,030 |
| | 17,476 | 18,040 | 19,363 | 19,861 | 21,538 | 19,059 | 21,932 |
| Musicians and Composers | 7,007 | 9,096 | 8,792 | 10,967 | 12,462 | 9,831 | 9,024 |
| | 13,324 | 14,892 | 14,992 | 16,103 | 20,629 | 17,108 | 14,596 |
| Painters and Sculptors | 8,508 | 10,479 | 9,704 | 9,789 | 9,998 | 10,107 | 9,653 |
| | 14,201 | 14,566 | 14,888 | 13,941 | 14,332 | 14,010 | 14,895 |
| Photographers | 8,379 | 11,343 | 10,909 | 12,680 | 11,579 | 10,698 | 11,909 |
| | 14,789 | 15,444 | 14,721 | 16,030 | 14,832 | 15,408 | 15,007 |
| Post-secondary Teachers | 11,301 | 9,429 | 4,717 | 8,467 | 14,546 | 12,384 | ** |
| | ** | ** | 13,072 | 16,849 | 19,740 | 19,158 | ** |
| Artists n.e.c. | 8,425 | 11,828 | 9,736 | 12,371 | 10,290 | 9,398 | 12,686 |
| | 13,747 | 16,508 | 15,003 | 17,323 | 15,691 | 14,888 | 16,732 |
| All Artists | 8,426 | 11,317 | 11,422 | 14,635 | 17,832 | 13,037 | 13,803 |
| | 15,155 | 16,264 | 17,176 | 19,751 | 23,733 | 18,606 | 20,547 |
| All Workers | 8,325 | 10,937 | 11,857 | 17,409 | 22,483 | 11,346 | 18,852 |
| | 12,912 | 14,282 | 16,577 | 22,248 | 28,238 | 15,769 | 23,687 |
| All Managerial Prof. & Tech. | 12,818 | 14,772 | 14,951 | 18,757 | 23,797 | 16,739 | 28,891 |
| | 17,137 | 17,576 | 19,408 | 23,875 | 29,516 | 20,891 | 35,125 |

Table 23b

### Median Earnings of Artists by Education and Employment Status (With Industry Restrictions)

Median Earnings, 1979
Median Earnings of Full-time, Full-Year Workers, 1979

| | Less than High School | High School Graduate | Some College | College Graduate | Post College | Salaried | Self Employed |
|---|---|---|---|---|---|---|---|
| Actors and Directors | $4,530 | $8,805 | $10,005 | $12,405 | $14,715 | $17,101 | $25,182 |
| | 16,125 | 14,005 | 15,140 | 17,235 | 18,593 | 23,383 | 32,695 |
| Announcers | 2,505 | 7,320 | 7,505 | 10,825 | 13,005 | 11,523 | 19,001 |
| | 9,945 | 10,105 | 11,585 | 13,005 | 18,008 | 16,663 | 29,850 |
| Architects | 8,005 | 18,005 | 19,005 | 19,205 | 20,005 | 20,083 | 30,595 |
| | 14,308 | 22,005 | 21,510 | 22,005 | 22,005 | 22,883 | 34,168 |
| Authors | 4,505 | 5,205 | 4,648 | 6,005 | 6,938 | 15,208 | 12,275 |
| | 8,815 | 8,510 | 10,005 | 12,005 | 13,005 | 23,964 | 17,934 |
| Dancers and Choreographers | 3,370 | 5,360 | 4,315 | 6,155 | 3,925 | 6,843 | 8,238 |
| | 7,805 | 10,005 | 10,005 | ** | ** | 11,694 | ** |
| Designers | 10,005 | 12,005 | 11,505 | 13,505 | 14,005 | 15,289 | 17,030 |
| | 14,260 | 15,005 | 16,125 | 16,005 | 17,745 | 19,059 | 21,932 |
| Musicians and Composers | 4,805 | 6,005 | 5,005 | 7,005 | 7,910 | 9,831 | 9,024 |
| | 8,505 | 10,005 | 10,010 | 12,005 | 15,685 | 17,108 | 14,596 |
| Painters and Sculptors | 5,005 | 7,610 | 7,005 | 7,005 | 6,605 | 10,107 | 9,653 |
| | 12,005 | 12,005 | 12,005 | 11,005 | 11,005 | 14,010 | 14,895 |
| Photographers | 4,045 | 8,505 | 8,005 | 10,005 | 9,488 | 10,698 | 11,909 |
| | 11,505 | 12,815 | 12,005 | 13,005 | 12,005 | 15,408 | 15,007 |
| Post-secondary Teachers | 10,005 | 4,205 | 1,905 | 5,935 | 14,365 | 12,384 | ** |
| | ** | ** | 11,935 | 15,005 | 19,005 | 19,158 | ** |
| Artists n.e.c. | 5,158 | 7,475 | 6,005 | 8,845 | 7,545 | 9,398 | 12,686 |
| | 10,005 | 12,005 | 11,630 | 13,005 | 14,505 | 14,888 | 16,732 |
| All Artists | 4,755 | 7,605 | 7,505 | 10,005 | 14,005 | 9,905 | 7,473 |
| | 11,025 | 12,005 | 13,005 | 15,005 | 18,928 | 15,005 | 13,905 |
| All Workers | 6,005 | 9,005 | 9,505 | 14,005 | 18,005 | 9,005 | 11,078 |
| | 10,955 | 12,005 | 14,045 | 18,005 | 22,005 | 13,205 | 15,005 |
| All Managerial Prof. & Tech. | 9,885 | 12,005 | 12,005 | 15,005 | 18,605 | 14,025 | 18,005 |
| | 13,120 | 15,005 | 16,005 | 19,005 | 22,905 | 17,605 | 24,005 |

## Table 24

## Present Discounted Value of the Addition Income From College

| | Assumed Real Interest Rate | | | | |
|---|---|---|---|---|---|
| | 0% | 1% | 2% | 3% | 4% |
| All Workers | $360,204 | $290,423 | $237,229 | $196,197 | $164,176 |
| All Managerial Prof. & Tech. | $380,144 | $298,530 | $238,425 | $193,604 | $159,756 |
| All Artists | $246,327 | $190,756 | $149,919 | $119,563 | $96,734 |
| Actors and Directors | $443,341 | $334,281 | $255,805 | $198,720 | $156,733 |
| Announcers | $385,718 | $292,476 | $224,944 | $175,484 | $138,846 |
| Architects | $199,690 | $162,237 | $133,068 | $110,125 | $91,906 |
| Authors | $130,425 | $99,308 | $76,850 | $60,475 | $48,408 |
| Dancers and Choreographers | $212,847 | $130,874 | $77,425 | $42,713 | $20,322 |
| Designers | $225,559 | $192,329 | $149,396 | $124,000 | $104,180 |
| Musicians and Composers | $38,062 | $14,763 | -$177 | -$9,525 | -$15,143 |
| Painters and Sculptors | $42,579 | $35,664 | $30,056 | $25,487 | $21,746 |
| Photographers | $87,595 | $62,749 | $45,179 | $32,673 | $23,715 |
| Artists n.e.c. | $117,183 | $80,335 | $54,895 | $37,249 | $24,957 |

FIGURE 13

AGE/EARNINGS PROFILES - ALL WORKERS
BY EDUCATIONAL LEVEL

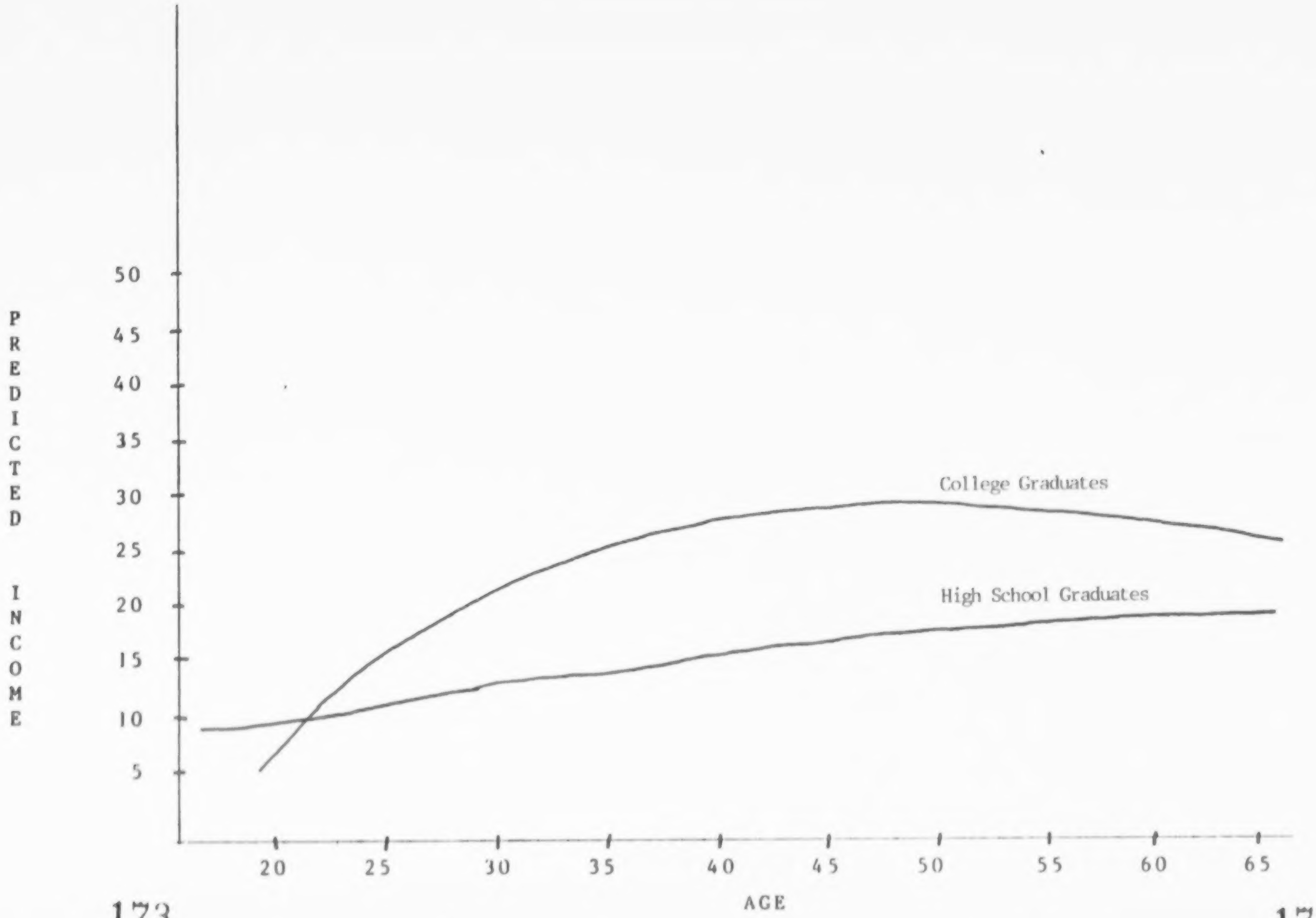


FIGURE 14

AGE/EARNINGS PROFILES - ALL MANAGERS, PROFESSIONALS & TECHNICIANS
BY EDUCATIONAL LEVEL

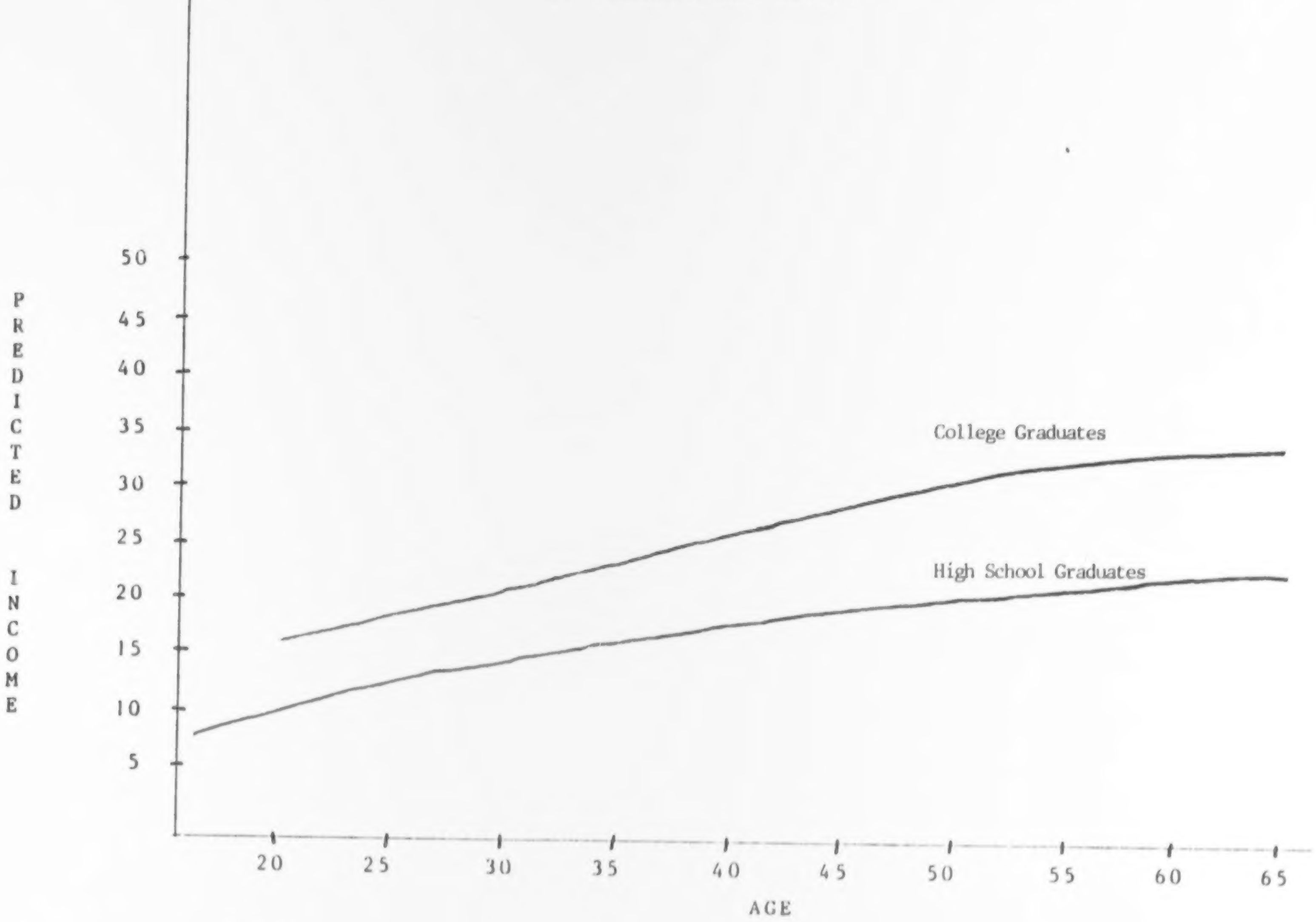


FIGURE 15

AGE/EARNINGS PROFILES - ALL ARTISTS
BY EDUCATIONAL LEVEL

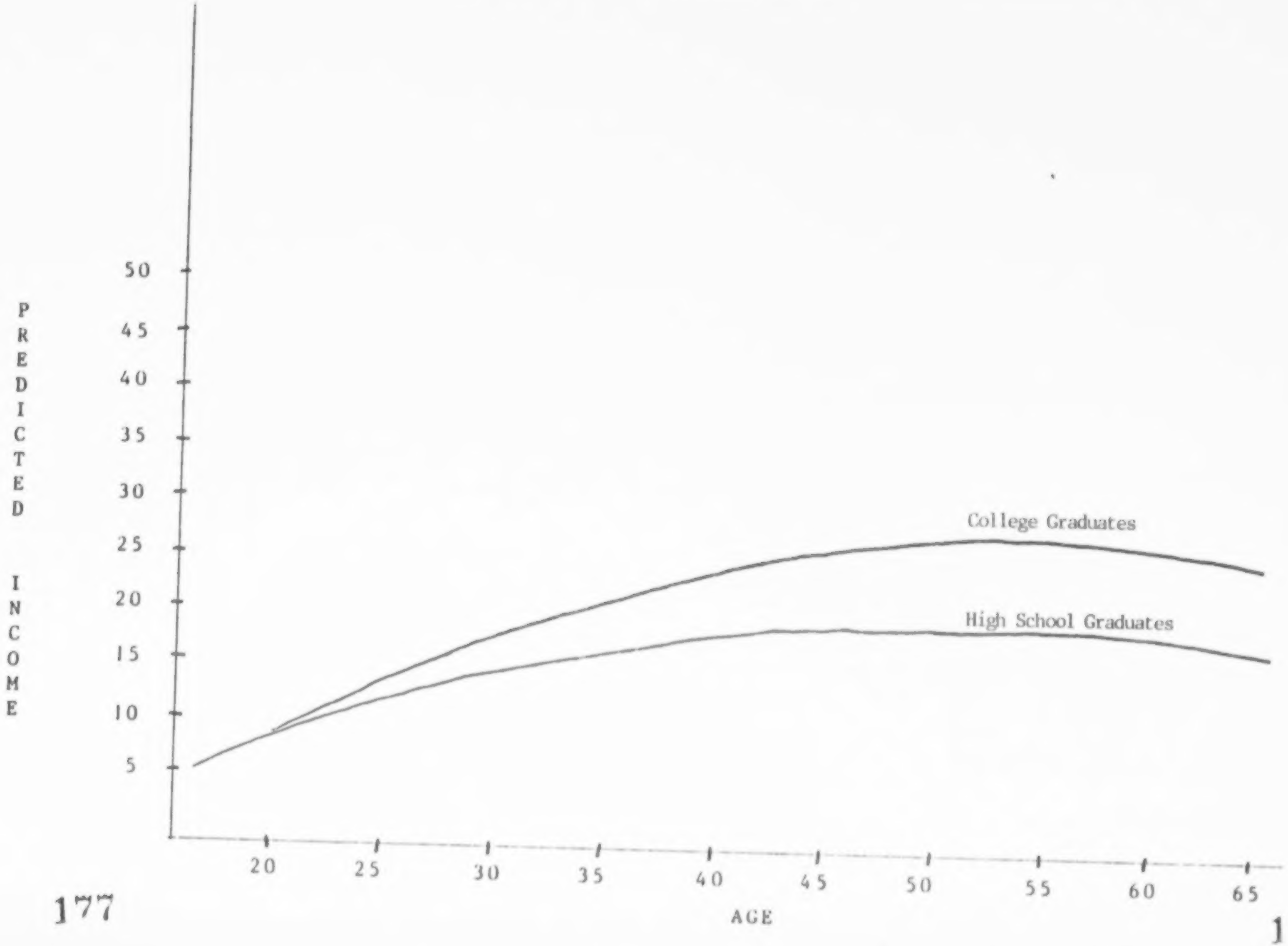


FIGURE 16

AGE/EARNINGS PROFILES - ACTORS AND DIRECTORS
BY EDUCATIONAL LEVEL

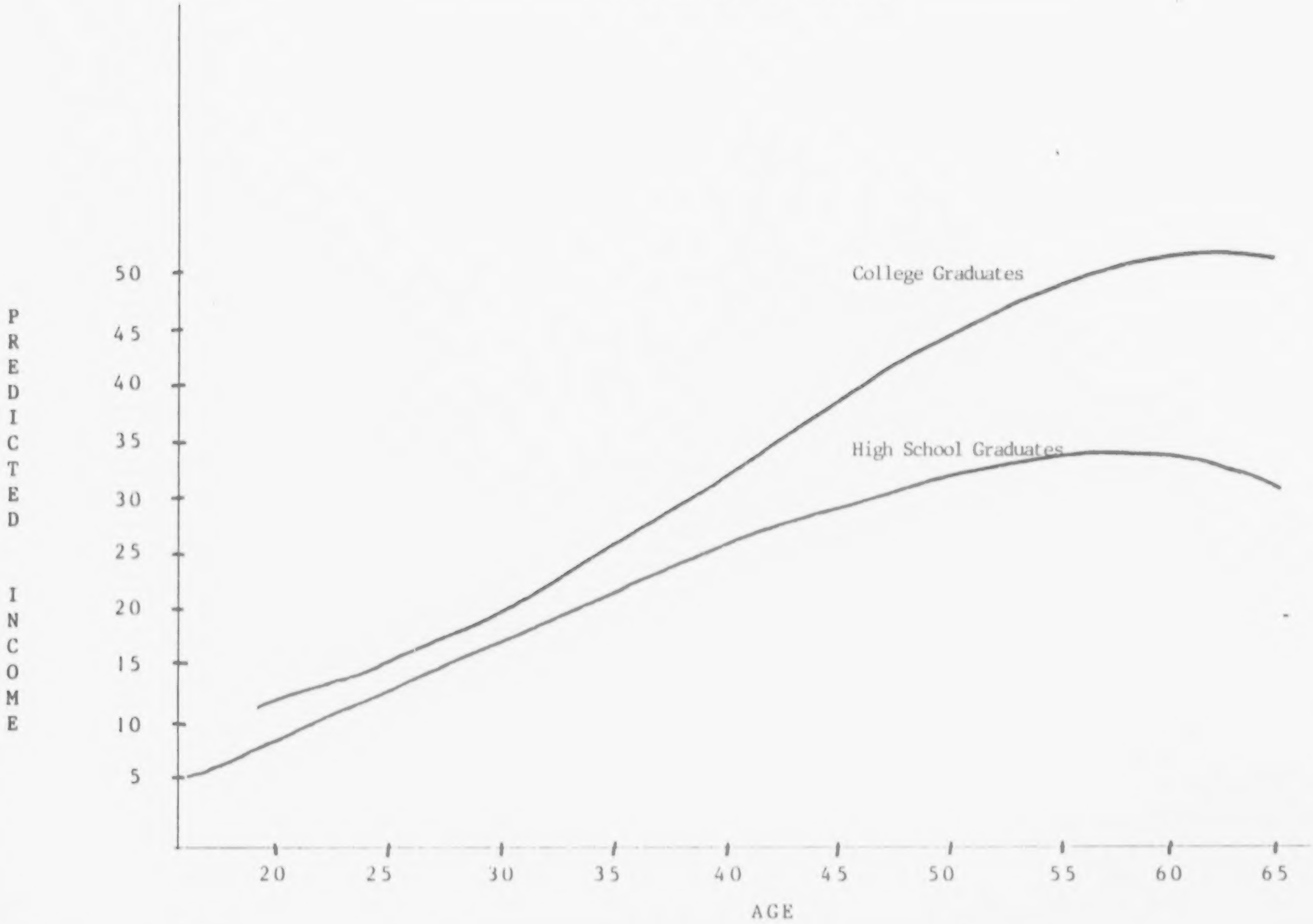
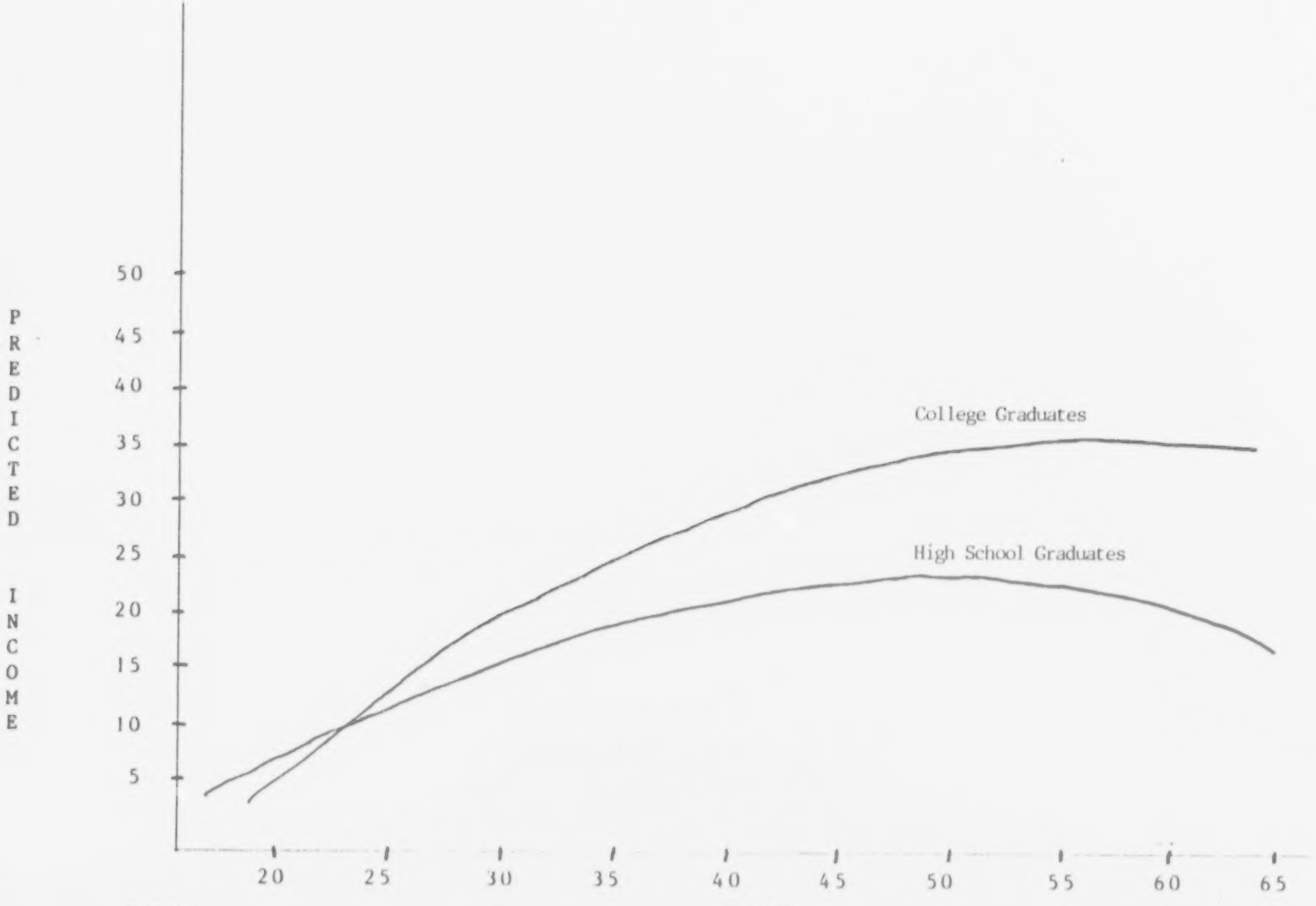


FIGURE 17

AGE/EARNINGS PROFILES - ANNOUNCERS
BY EDUCATIONAL LEVEL



## FIGURE 18

## AGE/EARNINGS PROFILES - ARCHITECTS
## BY EDUCATIONAL LEVEL

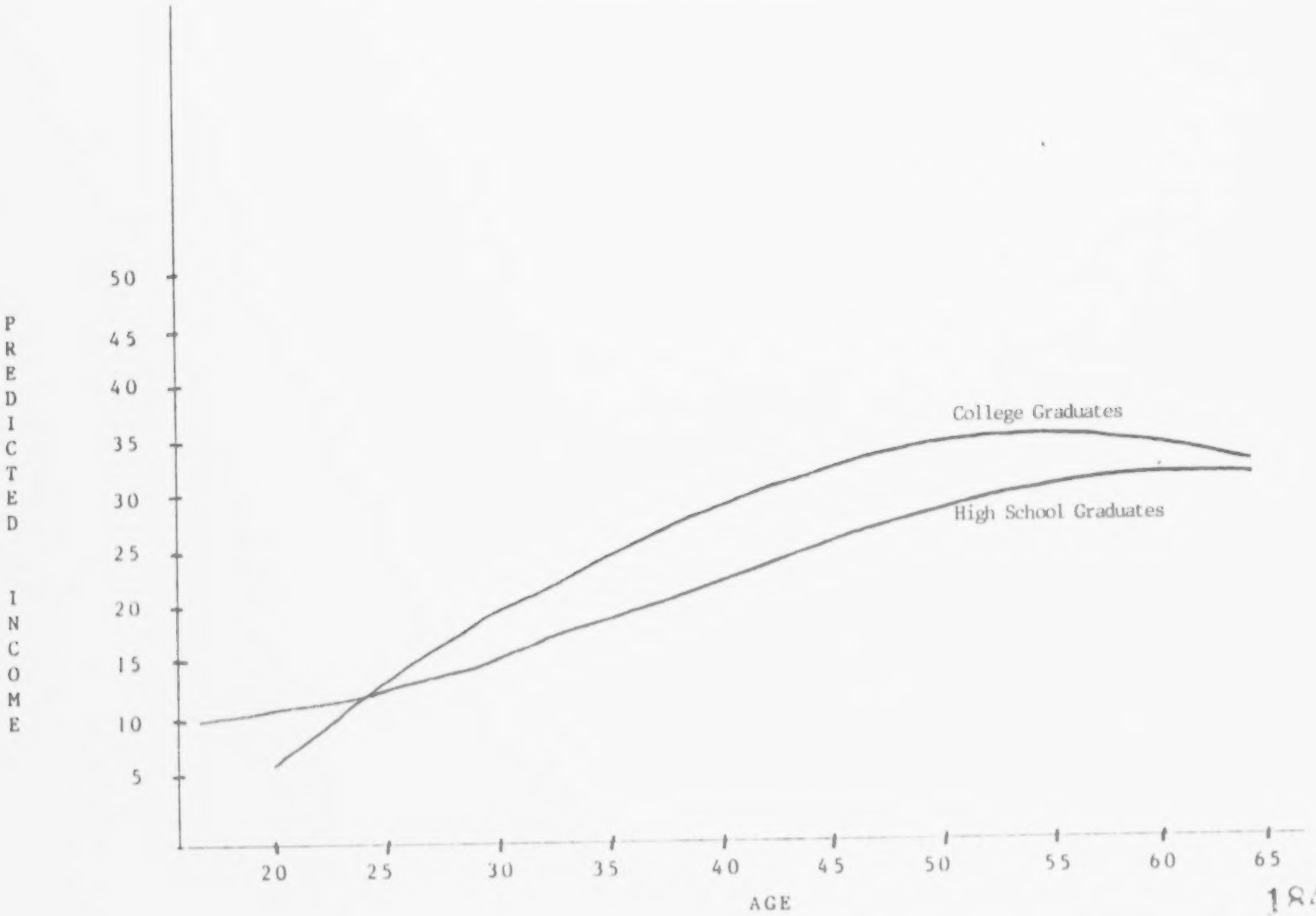


FIGURE 19

AGE/EARNINGS PROFILES - AUTHORS
BY EDUCATIONAL LEVEL

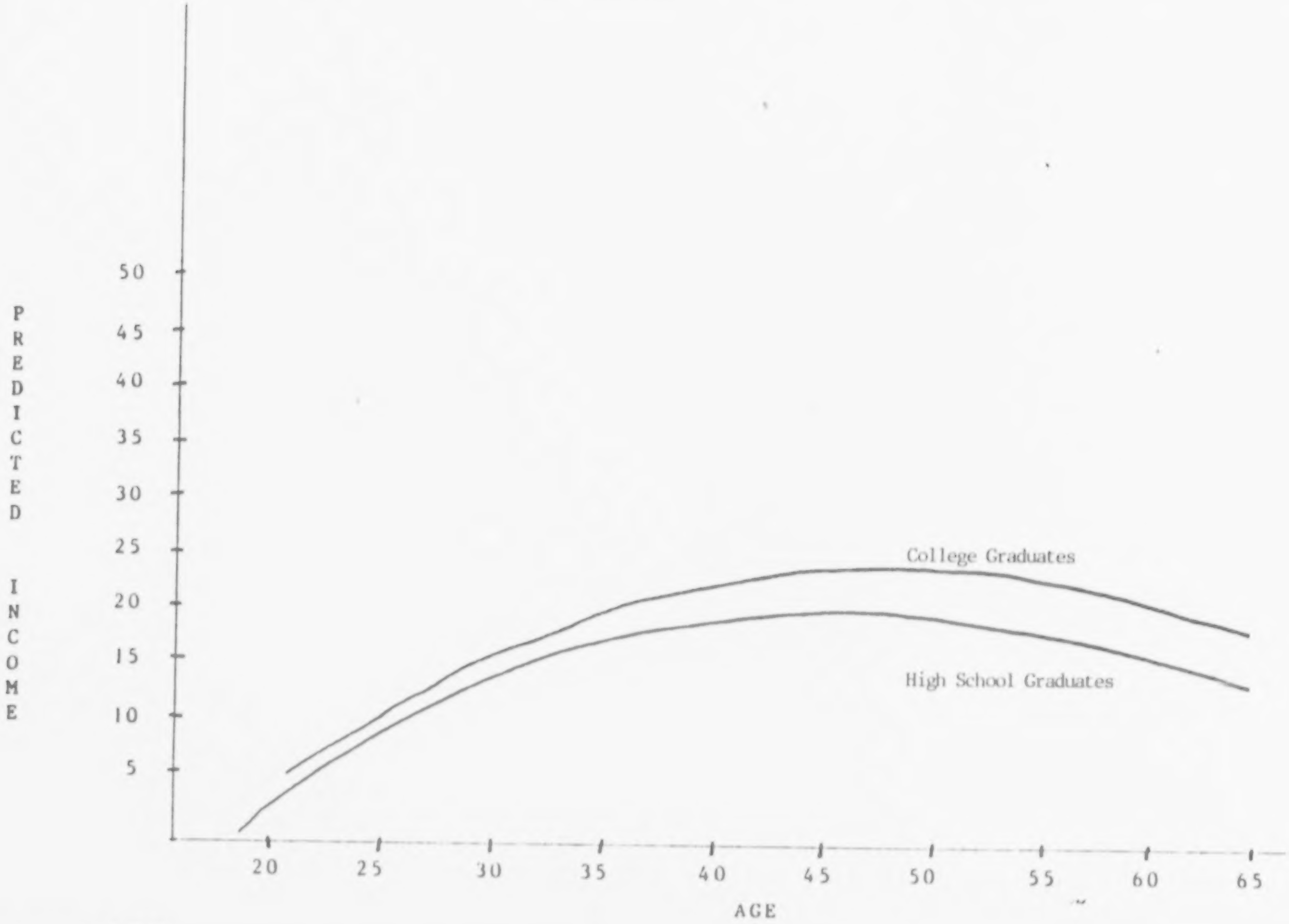


FIGURE 20

AGE/EARNINGS' PROFILES - DANCERS AND CHOREOGRAPHERS
BY EDUCATIONAL LEVEL

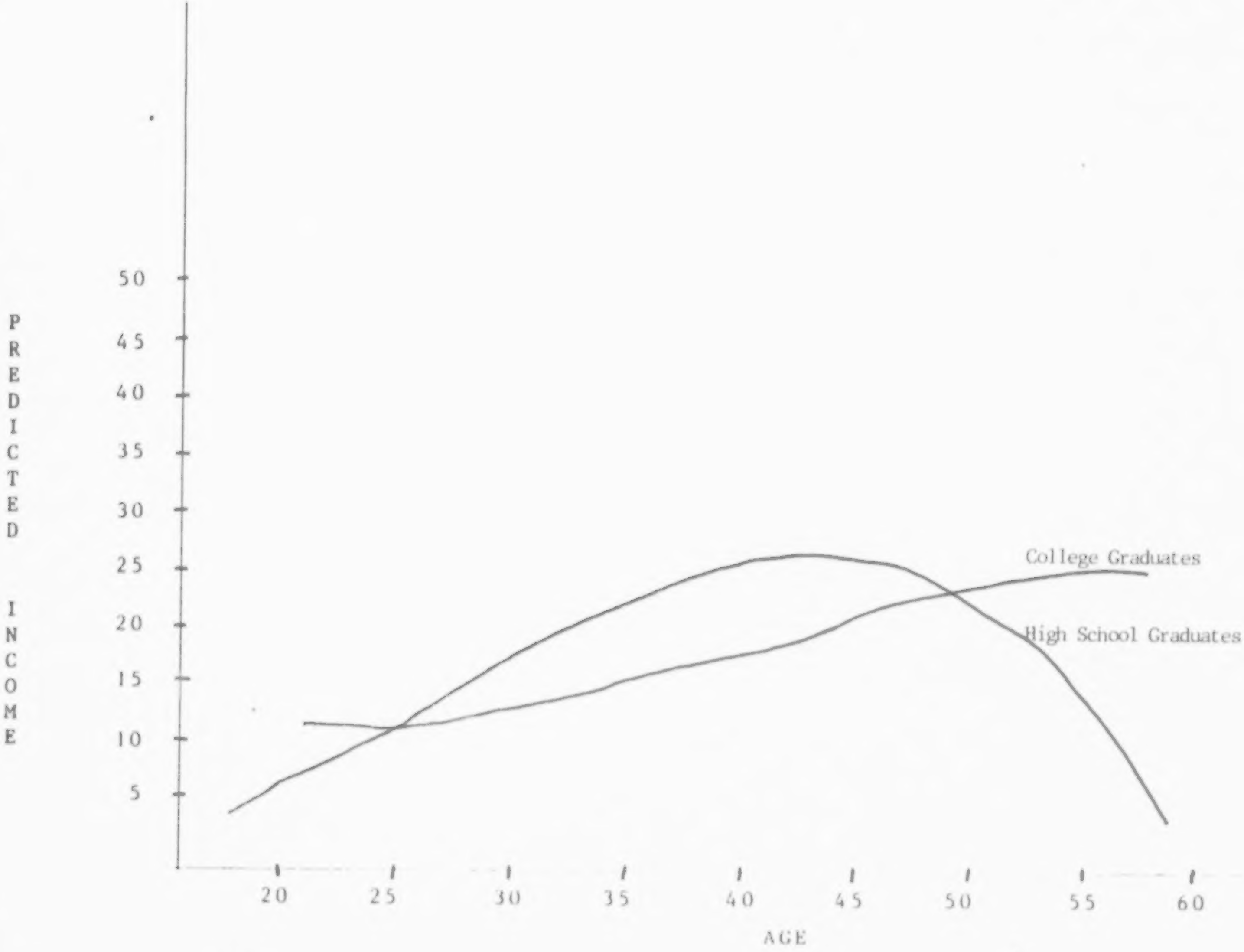


FIGURE 21

AGE/EARNINGS PROFILES - DESIGNERS
BY EDUCATIONAL LEVEL

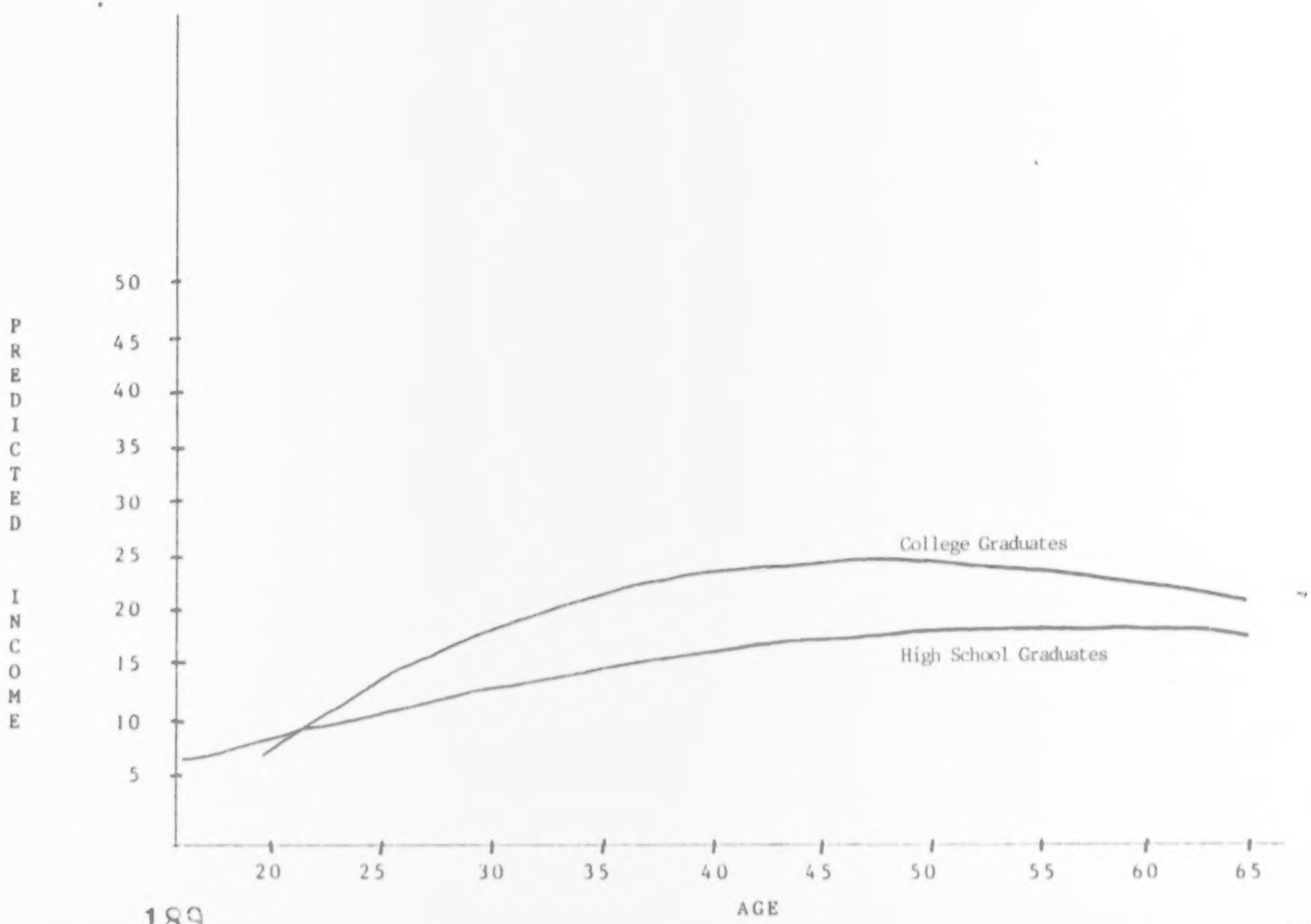


FIGURE 22

AGE/EARNINGS PROFILES - MUSICIANS AND COMPOSERS
BY EDUCATIONAL LEVEL

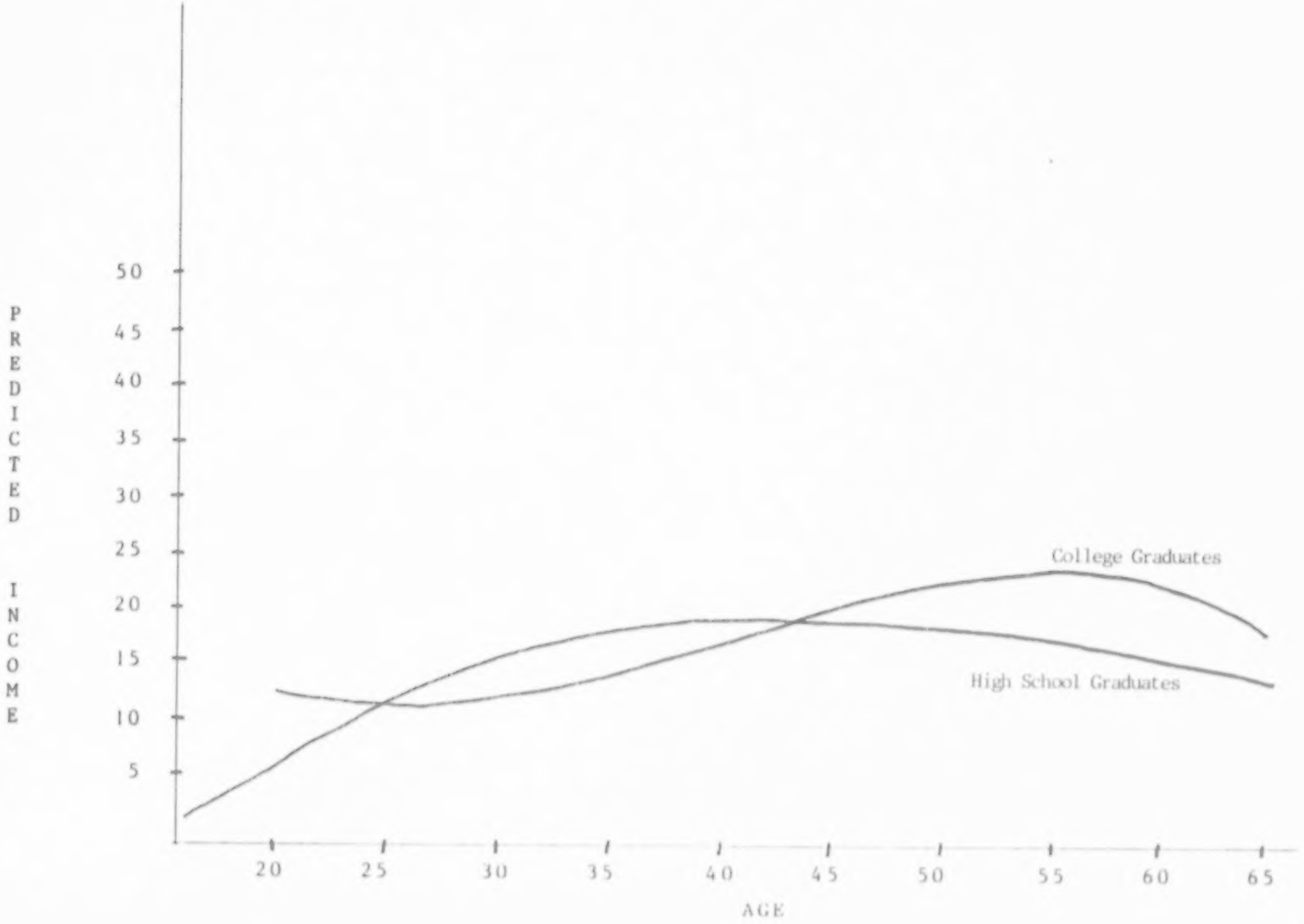


FIGURE 23

AGE/EARNINGS PROFILES - PAINTERS AND SCULPTORS
BY EDUCATIONAL LEVEL

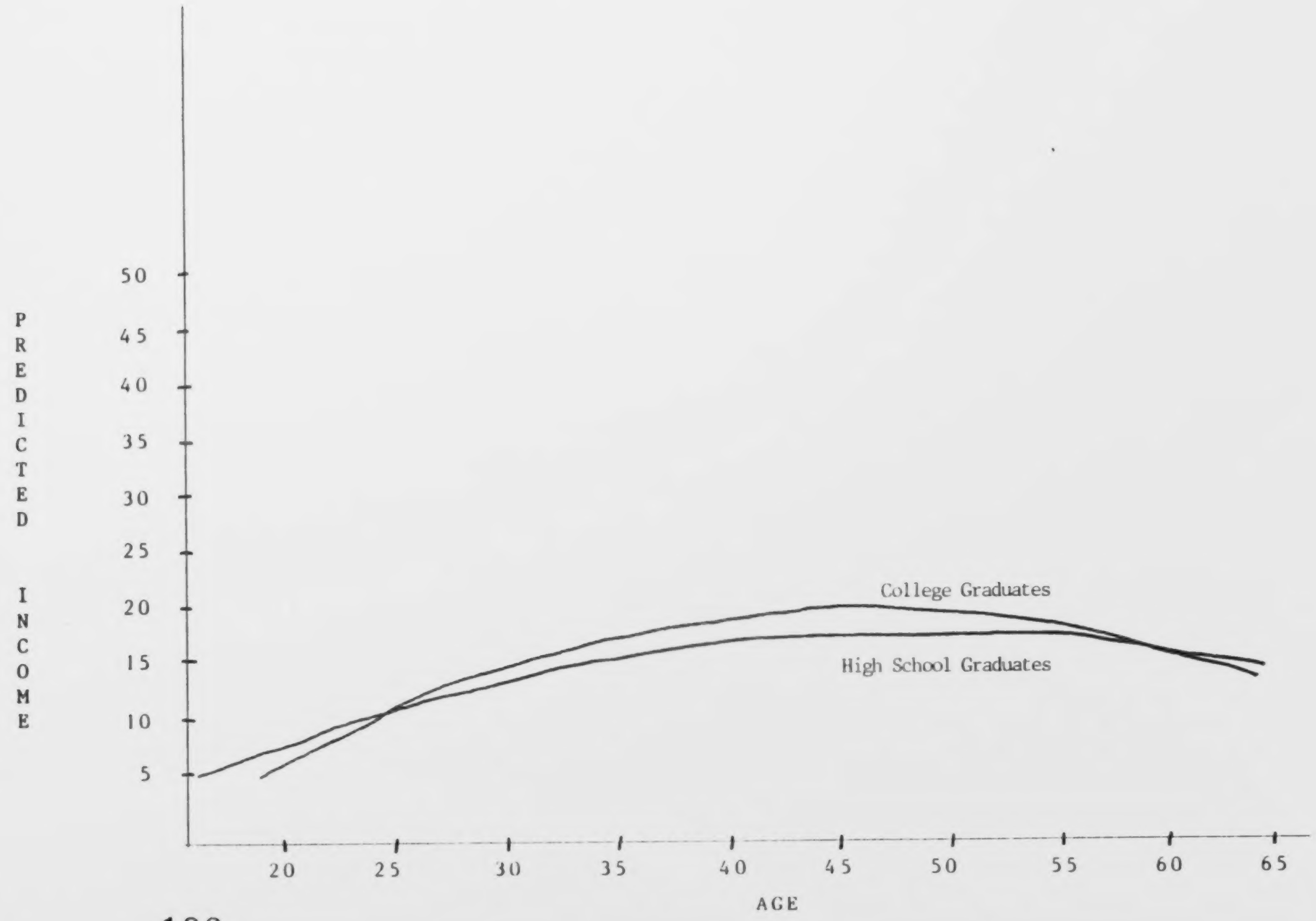


FIGURE 24

AGE/EARNINGS PROFILES - PHOTOGRAPHERS
BY EDUCATIONAL LEVEL

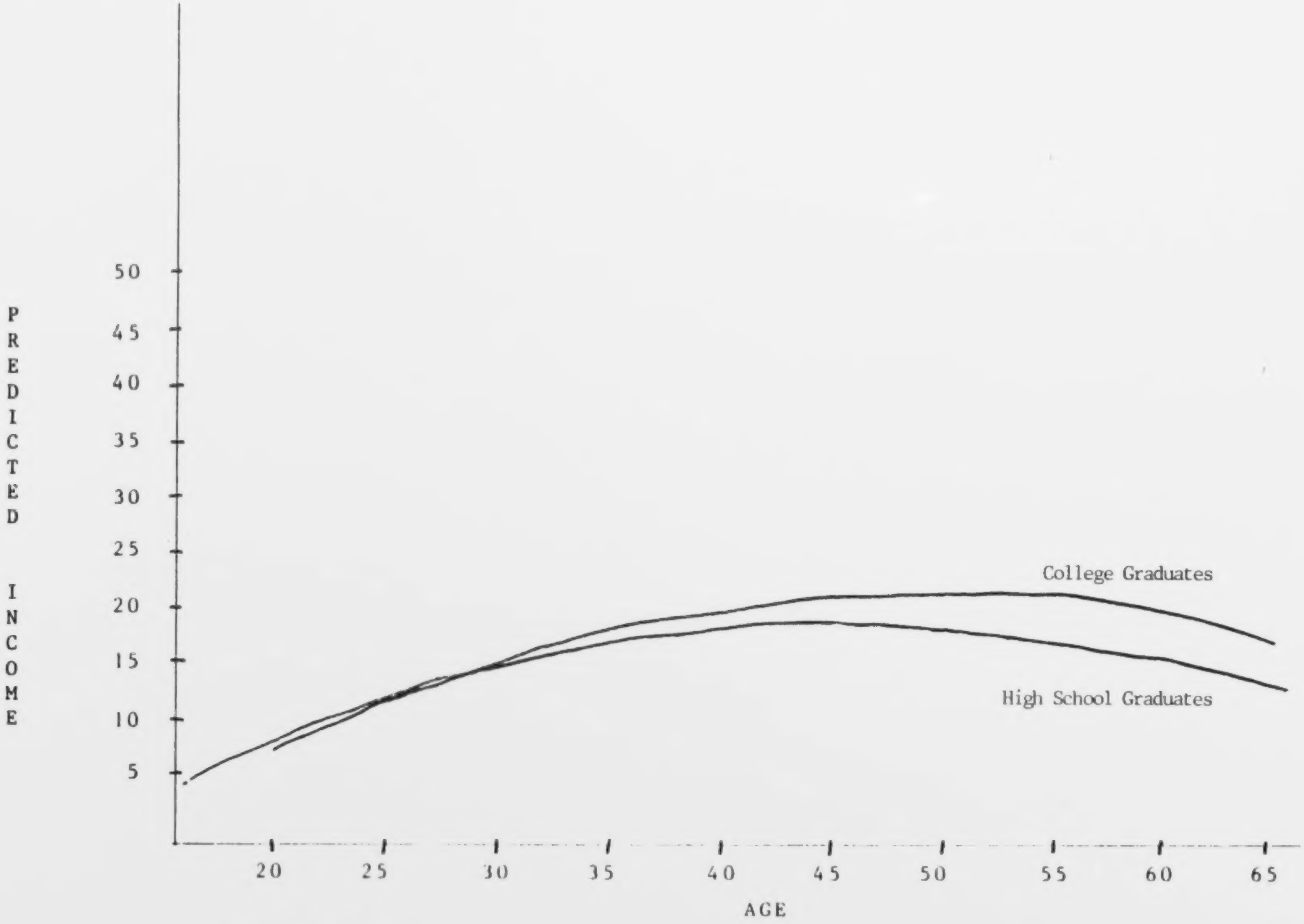
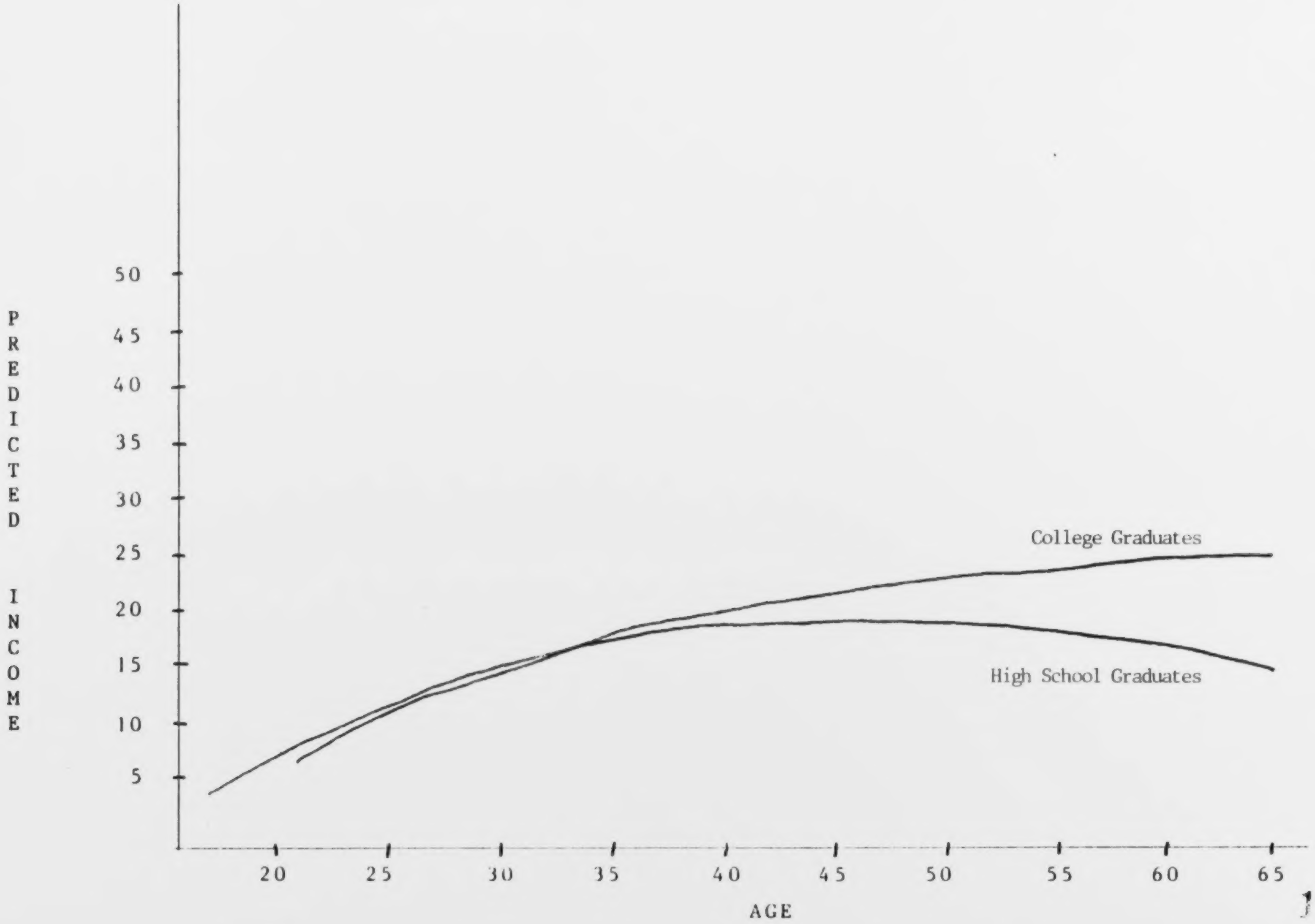


FIGURE 25

AGE/EARNINGS PROFILES - ARTISTS NOT ELSEWHERE CLASSIFIED
BY EDUCATIONAL LEVEL



## SECTION IX

## REGRESSION EQUATIONS PREDICTING EARNINGS, WAGES AND HOURS

In previous sections, the results presented have been simple cross-tabulations of earnings by the various characteristics under study. A more complex picture of the economic status of artists can be obtained by analyzing regression results that indicate the effect of each factor on earnings after holding other factors constant. Regressions were estimated to predict earnings, earnings for full-time, full-year workers, hours worked and hourly wages. All of the regressions were estimated using ordinary least squares techniques.[34]

Independent variables included in each regression were a dummy variable for female workers, a set of dummy variables for the worker's ethnic group (black, hispanic, asian or other), the total income of the worker's household excluding his or her earnings (but including the incomes of other workers in the household), the number of years of formal schooling the worker had completed, whether the worker was currently attending school, the worker's potential experience (age minus years of schooling minus six), and this potential experience squared. Dummy variables were included for whether the worker was not a citizen of the U.S., spoke English poorly or not at all, was self-employed, was a federal or state and local government worker, or had a work influencing disability. Geographic location was captured by a set of regional dummy variables (using the Middle Atlantic states as the reference group) as well as a dummy variable if the worker lived in a nonurban area.

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[34] In earlier work (Filer, 1986), regressions for annual earnings were estimated correcting for sample selection (the assumption that workers choose their carers based on their probabilities of success in various options). While this correction is theoretically warranted in the case of artists, it turned out to have little practical import. Since such estimation is both complex and costly, corrections for sample selection bias have not been employed in the results presented below.

Results for these regressions are presented in Tables 25 through 52. Table 25 contains all four regressions (earnings, earnings of full-time workers, hours worked and wages) for workers in general. Table 26 is for all managers, professionals and technicians. Tables 27 through 30 contain results for all artists combined. Tables 27 and 28 use the variables contained in the previous paragraph and contain results for artists without and with restrictions on the worker's industry of employment respectively. Tables 29 and 30 also include a set of dummy variables for the specific type of artistic occupation in which the worker is employed (using the group of painters and sculptors as the reference group). Finally, Tables 31 through 52 present regression results for each of the eleven types of artists contained in Census data. As before, there are two tables for each type of worker, with the first in each pair containing results without imposing the restrictions on industry of employment designed to increase the proportion of "serious" artists in the sample and the second table in each pair incorporating these restrictions.

In general, the pattern of results found in the regression equations mirrors those from the cross-tabulations presented above. Overall, the regressions are hampered by the limited amount of information regarding workers available in Census data. Thus, the degree of explanatory power of the regressions (as measured by the adjusted r-squares) is lower than is typical for cross-section research using richer data sets such as the National Longitudinal Survey or the Panel Study of Income Dynamics. Even within this overall low degree of explanatory power, it is clear from a comparison of the regressions for all workers and all managers, professionals and technicians with those for artists that the variables available in the Census enable a substantially better prediction of the earnings of nonartists than of artists. This suggests that individual talent and personality (factors not captured in the Census data) play a larger role in determining economic success among artists than they do among other workers. Given its constructed nature, the equation predicting wages does especially poorly. Thus, while we may have some confidence in interpreting the effects of individual characteristics on artists' wages, it is important to recognize that these results tell us very little about what is really important in distinguishing which artists will achieve labor market success.

When dealing with sample sizes as large as those in the current study (ranging from about 1000 for the smallest artistic occupation (dancers and choreographers) to over 80,000 for the sample of all artists and the two control samples), it is surprising that any individual coefficients are not significant. In fact, examination of Tables 27 through 52 indicates that while there is some variation across the different types of artists, only three variables consistently show a strong ability to predict the earnings of artists. These variables are sex, education, and experience.

We shall discuss the regression results only briefly. Given the volume of data presented, the reader is encouraged to examine the tables closely in order to reach his or her own conclusions. We turn first to results for annual earnings for full-time, full-year workers.[35]

Geographic variables in the regression were limited to a set of regional dummies as well as an indication of urban or rural status. Nonurban artists consistently earned about $2000 less in 1979 than urban ones after standardizing for other productive attributes. This figure was approximately the same as for each of the control groups. With respect to regional differences in earnings, artists and other workers showed a similar pattern. Artists performed particularly well in the Pacific Coast and Middle Atlantic regions. These were also two of the three highest paying regions for all workers and all managers, professionals and technicians after standardizing for other characteristics.[36]

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[35] Results for all workers including those with part-time and/or part-year status are similar.

Patterns for specific types of artists are similar to those reported in Section V above and in general support preconceptions regarding the centers of various types of artistic activity. Actors do far better in the Pacific and Middle Atlantic regions than in the remainder of the country. Announcers do best on the Pacific Coast, followed by the North Central and New England regions. Architects earn the most after standardization for personal characteristics in the South Central and East North Central regions. Authors do especially well in the Pacific Coast, Middle Atlantic and New England states. Dancers are best paid in the Mountain, Pacific Coast and Middle Atlantic states. Designers do far better in the Middle Atlantic states than they do in the remainder of the country. With respect to musicians, the region that is substantially different from the rest of the country is New England, where musicians have lower earnings than they do elsewhere. Painters and sculptors, on the other hand, do especially well in the New England states along with the Middle Atlantic region. Finally, both photographers and miscellaneous other artists do best along the Pacific Coast. The overall pattern of high artists' earnings in the Pacific Coast and Middle Atlantic region is reinforced by the observation that although earnings are typically higher in these regions, artists tend to work fewer hours there than elsewhere. Thus, wages for artists are substantially higher in these two regions than in the remainder of the country.

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[36] For both of the control groups, the highest standardized earnings were found in the East North Central region. This region was the fourth best paying for all artists.

The other key results presented above in Sections VI through IX pertain to demographic, educational and age effects on artists' earnings. Table 53 summarizes the key coefficients from the regressions predicting 1979 earnings of full-time, full-year workers (with the industry restrictions) for these variables.[37]

It is clear that in all artistic occupations, women earned less in 1979 than men, even after standardization for observable personal characteristics in Census data. This earnings differential for full-time, full-year workers ranges from a high of slightly over $9,000 a year for authors to a low of almost $2,400 a year for dancers and choreographers.

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[37] While Section VII contains results for age groups, the regressions used the conventional proxy for experience of age minus years of schooling minus six. Thus, given that years of schooling are also included in the regressions, age effects cannot be identified as such. The discussion that follows focuses on the coefficients on potential experience.

It is interesting that this difference, although always statistically significant, is always less significant and in every case except authors smaller in magnitude than the male/female earnings differentials for either all workers or all managers, professionals and technicians. Examination of the estimated equations for hours worked and wage rates, however, reveals that the bulk of the male/female earnings differences for artists arises from differences in hours worked. Indeed, Table 30 indicates that for all artists combined, once industry restrictions are imposed to isolate more "serious" artists and dummy variables for the type of art practiced are included, there is no discernable difference in wages between male and female artists.

There is little indication in the 1979 Census data that black artists can expect to earn less than white ones. Overall, earnings are slightly less for blacks than whites, with a mixed pattern across occupations.[38] Once again, what differences there are arise from differences in hours worked. Table 30 shows a large (although not statistically significant) positive coefficient on being black in the equation predicting wages. With respect to other ethnic groups, earnings appear to be slightly less than they are for whites but sample sizes are frequently small and little confidence can be placed on these results. As with blacks, most of the negative earnings effects seem to derive from differences in hours worked rather than wages.

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[38] In most regressions for individual occupations, the coefficient on being black is not statistically significant and in several cases it is positive.

With respect to age and/or experience, regression results support the finding of Section VII that artists' earnings increase more rapidly than those for either of the control groups over the course of the working life. The marginal effect of an additional year of potential work experience on earnings differs with the level of past working experience and is presented for various values of past experience in Table 54. As can be seen in this table, up until 30 years of past experience, each additional year adds more to the earnings of artists than it does to either all workers or all managers, professionals and technicians.

As was suggested in Filer (1986), this differential experience effect may, in large part, account for the perception of lower average earnings among artists. The artistic workforce is younger than the general or professional labor force. Thus, mean or median earnings for artists are heavily influenced by those at the beginning of their work lives who are experiencing the lowest relative earnings when compared with other workers. Over the course of the entire life of these workers, the more rapid growth of artists' earnings means that they will face much smaller total penalties than might be suggested in a single cross-section dominated by young artists.

Examining the regressions for specific types of artists, it can be seen that the faster rate of appreciation for artists' earnings is a result of very rapid increases in earnings with experience for actors and directors, announcers, architects, and, to an extent, designers. Other types of artists actually exhibit earnings that increase with potential experience at about the same rate as all workers (and somewhat less rapidly than all managers, professionals and technical workers).

Perhaps the strongest difference between artists and other workers that can be seen in Table 53 deals with the effect of additional years of schooling on earnings. For all artists (with the industry restrictions and controlling for the type of art practiced), an additional year of schooling is predicted to increase earnings of full-time, full-year workers by approximately $750 a year. This is less than half of the increase in earnings of $1543 that an additional year of schooling contributes for all workers and less than forty percent of the additional $1896 that managers, professionals and technicians can be expected to earn should their education increase by one year. In addition, while the effect of schooling on artists' earnings is still highly statistically significant, this effect is much less significant for artists than it is for either of the comparison groups.

Except for dancers and choreographers, where there is no discernable impact of additional education on earnings, additional years of schooling do make a positive contribution to earnings for every type of artist. However, only in the case of announcers is the expected increase in earnings with each additional year of schooling in excess of $1000. In fact, only for announcers, designers, and actors and directors does the predicted increase in earnings from completing an additional year of formal school equal even half of the increase for all workers. These regression results, which standardize for personal attributes, provide even stronger evidence than that presented in Section VIII that returns to education are substantially less for artists than for other types of workers.

Turning to other results from the regression estimates, it appears that after standardization for personal characteristics self-employed artists earn less than other artists while self-employed workers in other occupations earn more than similar wage and salary workers. This result is dominated by the especially low incomes of self-employed authors. There is also evidence that self-employed painters and sculptors as well as self-employed photographers earn less than wage and salaried workers in these occupations. In other occupations, self-employed artists appear to earn approximately the same incomes as similar wage and salary workers.

Overall, non-citizen artists earn less than citizens, a result that parallels that for the comparison groups. However, this result is reversed for performing artists. Non-citizen actors and directors, dancers and choreographers, and musicians and composers (along with non-citizen authors) earn more than similar citizens in these occupations. While the reason for this finding is not clear from the available data, one can speculate that, unlike most forms of art, performing arts require contact between the artist and the audience. While the work of an especially talented (and therefore well-paid) painter can be imported even though the painter herself remains at home, the same is not true for the exceptional performing artist. Thus, there are likely to be a number of such artists admitted to the United States on "third preference" work permits based on "exceptional ability in the sciences and arts."

It is often asserted that low incomes for artists result from their disproportionately being "secondary wage earners" with lower attachments to the labor force. The effects of household income other than their own earnings on artists' earnings do not seem consistent with this hypothesis. Additional household income (whether from earnings of other members of the household or from nonlabor sources) has a negative and significant effect on the hours that artists work in a typical week. However, this effect is of the same direction and order of magnitude as it is for the control groups. In addition, unlike the controls where additional household income is associated with lower annual earnings, for all artists combined the higher other income in the household, the more that artist is predicted to earn.

The effect of additional household income on artists' earnings varies substantially across various groups of artists. It is highly positive for actors and directors, authors, dancers and choreographers, designers, and musicians and composers. On the other hand, it is highly negative for announcers, architects, painters and sculptors, photographers, and artists not elsewhere classified.

Examination of the results for the regressions predicting typical weekly hours of work shows that female artists tend to work shorter weeks than male artists. This difference, however, is less than for the comparison groups of all workers or all managers, professionals and technicians. Hours of work increase much more rapidly with schooling for artists than for the control groups. Each additional year of schooling leads to a predicted increase of .44 hours of work for artists as compared with .24 hours for all workers and .14 hours for managers, professionals and technicians. This influence of education on hours is strongest for actors and directors, announcers and post-secondary teachers of art, music and drama. If we combine these findings concerning the effect of education on hours of work with those on earnings discussed earlier, we are led to conclude that education has an even lower impact on artists' wages than it does on their earnings, thus magnifying the differential importance of education between artists and the control groups. Finally, hours of work increase with experience for artists as a group at about the same rate as they do for other professionals.

A few final words are in order regarding the effect of standardization for personal characteristics through the use of regression equations on the economic situation of various types of artists. The combination of effects on earnings and hours implies that actors and directors, who already appear to be the best paid artists when earnings are examined, do extremely well relative to other groups when comparisons are based on wages. Similarly, although musicians appear to have low earnings as a group, this is largely the result of differences in typical hours of work, so that they compare favorably when wages are examined. Strikingly, the low mean earnings of dancers and choreographers are largely because this group has significantly different personal characteristics from others. When regression techniques are used to standardize for personal characteristics, the apparent low earnings of dancers and choreographers disappear.

Table 25

Determinants of 1979 Earnings, Hours Worked and Wages
Estimated Coefficients
(T-Statistics)

All Workers

| | Earnings | Earnings (full-time) | Weekly Hours | Hourly Wage |
|---|---|---|---|---|
| Intercept | -4834.07 | -6437.19 | 36.52 | 0.40 |
| | (20.33) | (17.86) | (54.06) | (0.08) |
| Other HH Earnings | -30.00 | -9.34 | -0.07 | -0.09 |
| | (11.32) | (2.09) | (26.49) | (1.65) |
| Female | -7405.52 | -7447.71 | -5.67 | -2.87 |
| | (91.31) | (59.78) | (70.13) | (1.72) |
| Black | -1656.64 | -2333.36 | -1.02 | 0.98 |
| | (12.18) | (11.53) | (7.52) | (0.35) |
| Hispanic | -798.23 | -1461.82 | -0.43 | -4.71 |
| | (4.26) | (5.24) | (2.30) | (1.22) |
| Asian | -15.04 | -1010.23 | 1.25 | 48.65 |
| | (0.05) | (2.23) | (3.96) | (7.49) |
| Other Ethnic | -959.46 | -1632.63 | 0.10 | 0.79 |
| | (2.22) | (2.48) | (0.23) | (0.09) |
| Years of Schooling | 1238.76 | 1542.77 | 0.24 | 0.93 |
| | (84.33) | (71.60) | (16.39) | (3.09) |
| Attending School Now | -2574.55 | -1396.60 | -6.61 | -3.32 |
| | (20.10) | (5.41) | (51.76) | (1.26) |
| Experience | 645.90 | 615.31 | 0.36 | -0.34 |
| | (73.75) | (42.68) | (41.23) | (1.89) |
| Experience Squared | -9.83 | -8.45 | -0.01 | 0.01 |
| | (57.51) | (28.94) | (58.69) | (2.85) |
| Non US Citizen | -590.25 | -199.09 | 0.55 | -24.22 |
| | (2.41) | (0.56) | (2.26) | (4.83) |
| Poor English Skills | 703.46 | 775.24 | 1.62 | 59.94 |
| | (2.07) | (1.51) | (4.78) | (8.60) |

| | | | | |
|---|---|---|---|---|
| Self-Employed | 3176.75 | 3952.47 | 3.67 | 12.12 |
| | (21.51) | (19.42) | (24.92) | (4.00) |
| Federal Employee | 95.93 | -985.73 | 1.77 | -0.46 |
| | (0.54) | (4.19) | (9.95) | (0.13) |
| State or Local Govt. | -1709.42 | -2663.11 | -1.07 | 0.06 |
| | (14.09) | (14.40) | (8.85) | (0.02) |
| Disabled | -3679.35 | -2283.86 | -1.92 | 15.39 |
| | (21.05) | (7.66) | (11.02) | (4.29) |
| Northeast | -755.33 | -1021.41 | -0.14 | 0.01 |
| | (4.07) | (3.75) | (0.76) | (0.00) |
| East North Central | 476.45 | 644.03 | 0.56 | 0.17 |
| | (3.71) | (3.43) | (4.37) | (0.06) |
| West North Central | -822.43 | -1216.38 | 1.47 | -1.21 |
| | (4.54) | (4.56) | (8.14) | (0.33) |
| South Atlantic | -550.26 | -973.17 | 0.99 | -0.43 |
| | (4.09) | (5.01) | (7.38) | (0.16) |
| East South Central | -565.97 | -760.37 | 0.91 | -0.36 |
| | (2.88) | (2.65) | (4.65) | (0.09) |
| West South Central | -98.98 | -381.29 | 1.71 | -0.69 |
| | (0.65) | (1.72) | (11.27) | (0.22) |
| Mountain | -554.80 | -527.86 | 0.91 | -1.38 |
| | (2.75) | (1.77) | (4.52) | (0.33) |
| Pacific Coast | 367.52 | 459.02 | 0.32 | 2.49 |
| | (2.71) | (2.30) | (2.36) | (0.89) |
| Non-Urban Area | -2022.25 | -2639.99 | 0.61 | -1.59 |
| | (20.69) | (18.10) | (6.26) | (0.79) |
| Adjusted R-Square | .28 | .23 | .17 | .00 |

## Table 26

## Determinants of 1979 Earnings, Hours Worked and Wages
Estimated Coefficients
(T-Statistics)

### Managerial Professional and Technical Workers

| | Earnings | Earnings (full-time) | Weekly Hours | Hourly Wage |
|---|---|---|---|---|
| Intercept | -7162.84 | -11987.43 | 39.26 | -4.82 |
| | (17.81) | (21.73) | (40.53) | (6.98) |
| Other HH Earnings | -46.64 | -12.63 | -0.06 | -0.00 |
| | (12.14) | (2.22) | (22.48) | (0.00) |
| Female | -9487.11 | -8534.98 | -5.46 | -3.43 |
| | (75.53) | (48.31) | (62.58) | (15.91) |
| Black | -1428.89 | -2302.84 | -0.64 | 0.46 |
| | (5.87) | (6.73) | (3.78) | (1.10) |
| Hispanic | -1067.26 | -1721.73 | -0.76 | -0.09 |
| | (3.12) | (3.72) | (3.19) | (0.15) |
| Asian | -997.64 | -2697.81 | 0.04 | -1.07 |
| | (2.42) | (5.03) | (0.14) | (1.51) |
| Other Ethnic | -602.93 | -508.36 | 0.21 | -0.68 |
| | (0.80) | (0.48) | (0.40) | (0.53) |
| Years of Schooling | 1497.29 | 1896.35 | 0.14 | 0.86 |
| | (67.59) | (64.05) | (9.10) | (22.62) |
| Attending School Now | -3094.74 | -1946.39 | -3.92 | -0.38 |
| | (16.69) | (6.68) | (30.43) | (1.19) |
| Experience | 919.08 | 900.15 | 0.31 | 0.27 |
| | (66.27) | (43.28) | (32.18) | (11.34) |
| Experience Squared | -14.55 | -12.62 | -0.01 | -0.00 |
| | (50.86) | (28.73) | (50.32) | (0.00) |
| Non US Citizen | -1337.73 | -110.76 | -0.16 | -0.30 |
| | (3.52) | (0.22) | (0.61) | (0.46) |
| Poor English Skills | -237.14 | 77.03 | 1.47 | -1.36 |
| | (0.28) | (0.07) | (2.54) | (0.95) |

| | | | | |
|---|---|---|---|---|
| Self-Employed | 6893.11 | 8884.53 | 2.54 | 4.59 |
| | (35.38) | (35.68) | (18.77) | (13.72) |
| Federal Employee | 269.84 | -506.45 | -1.06 | 0.42 |
| | (0.99) | (1.51) | (5.62) | (0.90) |
| State or Local Govt. | -3906.99 | -5106.66 | -1.58 | -0.76 |
| | (26.84) | (24.25) | (15.62) | (3.04) |
| Disabled | -4728.81 | -3383.44 | -1.74 | -1.13 |
| | (16.04) | (7.78) | (8.49) | (2.23) |
| Northeast | -901.89 | -1156.60 | 0.02 | -0.81 |
| | (3.44) | (3.33) | (0.11) | (1.80) |
| East North Central | 504.22 | 559.13 | 0.95 | 0.46 |
| | (2.63) | (2.19) | (7.14) | (1.40) |
| West North Central | -1170.73 | -1426.10 | 1.13 | -0.77 |
| | (4.25) | (3.84) | (5.91) | (1.63) |
| South Atlantic | -827.73 | -1175.48 | 1.29 | -0.54 |
| | (4.24) | (4.55) | (9.52) | (1.61) |
| East South Central | -957.24 | -1321.86 | 1.43 | -0.33 |
| | (3.11) | (3.21) | (6.68) | (0.62) |
| West South Central | -230.55 | -411.21 | 1.93 | -0.87 |
| | (1.01) | (1.37) | (12.19) | (2.22) |
| Mountain | -1481.73 | -1491.95 | 1.00 | -0.77 |
| | (5.00) | (3.74) | (4.86) | (1.51) |
| Pacific Coast | 236.59 | 532.37 | 0.35 | 0.44 |
| | (1.23) | (2.07) | (2.61) | (1.33) |
| Non-Urban Area | -2693.87 | -3374.99 | 0.68 | -1.11 |
| | (17.02) | (15.62) | (6.18) | (4.09) |
| Adjusted R-Square | .26 | .23 | .13 | .03 |

## Table 27

## Determinants of 1979 Earnings, Hours Worked and Wages
Estimated Coefficients
(T-Statistics)

All Artists Combined
(Without Industry Restrictions)

| | Earnings | Earnings (full-time) | Weekly Hours | Hourly Wage |
|---|---|---|---|---|
| Intercept | -507.05 | -3567.23 | 35.76 | 0.65 |
| | (1.54) | (6.74) | (13.37) | (0.46) |
| Other HH Earnings | -31.65 | 7.92 | -0.07 | 0.02 |
| | (11.64) | (1.56) | (26.93) | (1.74) |
| Female | -7664.60 | -7084.61 | -5.88 | -2.01 |
| | (74.05) | (41.39) | (59.43) | (4.58) |
| Black | -1278.83 | -1142.61 | -1.64 | 2.32 |
| | (5.21) | (2.90) | (6.99) | (2.23) |
| Hispanic | -927.18 | -1279.83 | -0.24 | -1.38 |
| | (3.43) | (3.10) | (0.93) | (1.20) |
| Asian | -1016.95 | -2688.49 | 0.23 | -1.40 |
| | (2.71) | (5.03) | (0.64) | (0.88) |
| Other Ethnic | -2508.84 | -2638.92 | -2.18 | 0.59 |
| | (4.32) | (2.74) | (3.93) | (0.24) |
| Years of Schooling | 833.77 | 1141.03 | 0.24 | 0.52 |
| | (43.91) | (38.34) | (13.22) | (6.46) |
| Attending School Now | -2912.45 | -1463.72 | -6.25 | -0.00 |
| | (18.57) | (4.64) | (41.70) | (0.00) |
| Experience | 775.39 | 863.36 | 0.27 | 0.30 |
| | (68.11) | (44.46) | (24.81) | (6.22) |
| Experience Squared | -12.55 | -12.86 | -0.01 | -0.00 |
| | (55.54) | (31.72) | (46.30) | (0.00) |
| Non US Citizen | -414.42 | -81.58 | 0.50 | 2.33 |
| | (1.43) | (0.19) | (1.81) | (1.90) |
| Poor English Skills | -3053.60 | -3397.03 | -0.01 | -3.04 |
| | (5.31) | (3.64) | (0.02) | (1.25) |

| | | | | |
|---|---|---|---|---|
| Self-Employed | -1629.64 | -904.14 | 0.11 | -0.36 |
| | (14.56) | (5.19) | (1.03) | (0.76) |
| Federal Employee | 2357.37 | 1392.72 | 1.17 | -0.08 |
| | (6.20) | (2.79) | (3.22) | (0.05) |
| State or Local Govt. | -1647.87 | -3007.00 | -1.07 | -1.82 |
| | (7.26) | (8.34) | (4.93) | (1.89) |
| Disabled | -4799.88 | -3705.11 | -2.71 | -2.11 |
| | (21.44) | (9.11) | (12.66) | (2.22) |
| Northeast | -1526.15 | -1701.56 | 0.05 | -1.68 |
| | (6.71) | (4.93) | (0.23) | (1.74) |
| East North Central | -569.20 | -647.88 | 0.37 | -1.93 |
| | (3.41) | (2.58) | (2.32) | (2.73) |
| West North Central | -1414.47 | -2007.24 | 0.08 | -2.80 |
| | (6.15) | (5.70) | (0.36) | (2.87) |
| South Atlantic | -1366.81 | -1845.44 | 0.42 | -2.12 |
| | (8.07) | (7.22) | (2.60) | (2.96) |
| East South Central | -1651.46 | -2275.93 | 0.67 | -1.92 |
| | (6.22) | (5.65) | (2.64) | (1.71) |
| West South Central | -786.11 | -1236.57 | 0.97 | -1.72 |
| | (3.91) | (4.10) | (5.04) | (2.02) |
| Mountain | -1442.10 | -2262.10 | 0.03 | -1.98 |
| | (6.11) | (6.19) | (0.13) | (1.98) |
| Pacific Coast | 712.28 | 1098.78 | -0.06 | 2.29 |
| | (4.62) | (4.59) | (0.41) | (3.51) |
| Non-Urban Area | -2306.06 | -2974.52 | -0.04 | -2.23 |
| | (15.38) | (12.46) | (0.28) | (3.51) |
| Adjusted R-Square | .20 | .16 | .12 | .00 |

## Table 28

## Determinants of 1979 Earnings, Hours Worked and Wages
Estimated Coefficients
(T-Statistics)

### All Artists Combined
(With Industry Restrictions)

| | Earnings | Earnings (full-time) | Weekly Hours | Hourly Wage |
|---|---|---|---|---|
| Intercept | -2268.81 | -4827.10 | 31.74 | 3.52 |
| | (4.62) | (5.77) | (75.06) | (1.60) |
| Other HH Earnings | -25.50 | 7.47 | -0.06 | 0.04 |
| | (6.14) | (0.91) | (16.76) | (2.15) |
| Female | -6919.85 | -6718.51 | -4.70 | -1.11 |
| | (42.95) | (23.31) | (33.85) | (1.54) |
| Black | -1282.49 | -813.25 | -1.69 | 2.85 |
| | (3.54) | (1.30) | (5.41) | (1.75) |
| Hispanic | -1322.92 | -1714.04 | -0.48 | -1.59 |
| | (3.28) | (2.60) | (1.38) | (0.88) |
| Asian | -1322.90 | -3322.56 | -0.47 | 0.15 |
| | (2.34) | (3.91) | (0.96) | (0.06) |
| Other Ethnic | -2962.52 | -2422.10 | -3.02 | 1.04 |
| | (3.59) | (1.60) | (4.24) | (0.28) |
| Years of Schooling | 879.22 | 1149.54 | 0.44 | 0.34 |
| | (31.24) | (24.53) | (18.14) | (2.69) |
| Attending School Now | -2941.37 | -1989.96 | -6.20 | -0.67 |
| | (12.43) | (3.79) | (30.40) | (0.63) |
| Experience | 931.16 | 1066.62 | 0.31 | 0.44 |
| | (52.84) | (34.41) | (20.41) | (5.57) |
| Experience Squared | -14.65 | -15.39 | -0.01 | -0.00 |
| | (41.73) | (23.93) | (33.05) | (0.00) |
| Non US Citizen | -755.28 | -614.74 | 0.36 | -1.06 |
| | (1.78) | (0.88) | (0.98) | (0.56) |
| Poor English Skills | -4251.09 | -4899.49 | 0.30 | -3.84 |
| | (4.75) | (3.21) | (0.39) | (0.96) |

| | | | | |
|---|---|---|---|---|
| Self-Employed | -2574.29 | -2091.27 | -0.89 | -1.97 |
| | (15.88) | (7.91) | (6.37) | (2.71) |
| Federal Employee | 1275.27 | 118.83 | 0.17 | -1.68 |
| | (1.27) | (0.08) | (0.20) | (0.37) |
| State or Local Govt. | -2481.78 | -4137.96 | -2.12 | -2.89 |
| | (7.33) | (7.01) | (7.26) | (1.90) |
| Disabled | -6113.24 | -5231.94 | -3.23 | -3.62 |
| | (18.27) | (7.93) | (11.20) | (2.41) |
| Northeast | -1857.25 | -2086.53 | -0.09 | -4.44 |
| | (5.44) | (3.78) | (0.31) | (2.90) |
| East North Central | -859.83 | -1399.79 | 0.33 | -3.08 |
| | (3.34) | (3.43) | (1.49) | (2.67) |
| West North Central | -1112.01 | -1897.70 | 0.57 | -3.99 |
| | (3.19) | (3.45) | (1.90) | (2.56) |
| South Atlantic | -1540.69 | -2084.65 | 0.49 | -3.03 |
| | (5.97) | (5.04) | (2.20) | (2.62) |
| East South Central | -1332.20 | -1865.50 | 0.87 | -2.12 |
| | (3.18) | (2.80) | (2.41) | (1.13) |
| West South Central | -486.08 | -716.98 | 1.01 | -2.72 |
| | (1.57) | (1.48) | (3.79) | (1.96) |
| Mountain | -1664.75 | -2628.90 | 0.17 | -3.39 |
| | (4.77) | (4.64) | (0.57) | (2.17) |
| Pacific Coast | 1320.70 | 2063.38 | 0.14 | 3.33 |
| | (5.90) | (5.55) | (0.73) | (3.32) |
| Non-Urban Area | -2558.45 | -3608.53 | 0.49 | -2.40 |
| | (10.83) | (9.23) | (2.41) | (2.27) |
| Adjusted R-Square | .17 | .14 | .10 | .01 |

Table 29

Determinants of 1979 Earnings, Hours Worked and Wages
Estimated Coefficients
(T-Statistics)

All Artists Combined
(Without Industry Restrictions)
(With Occupation Dummies)

| | Earnings | Earnings (full-time) | Weekly Hours | Hourly Wage |
|---|---|---|---|---|
| Intercept | -309.03 | -3038.98 | 37.67 | -2.19 |
| | (0.85) | (5.25) | (111.12) | (1.40) |
| Other HH Earnings | -30.54 | 10.50 | -0.07 | 0.02 |
| | (11.64) | (2.10) | (29.71) | (2.05) |
| Female | -7239.61 | -6476.42 | -6.32 | -1.31 |
| | (67.92) | (36.97) | (63.60) | (2.86) |
| Black | -1102.04 | -1253.69 | -0.84 | 1.58 |
| | (4.55) | (3.21) | (3.72) | (1.52) |
| Hispanic | -975.34 | -1409.80 | -0.17 | -1.27 |
| | (3.66) | (3.46) | (0.70) | (1.11) |
| Asian | -1274.22 | -2706.07 | -0.36 | -0.52 |
| | (3.44) | (5.12) | (1.04) | (0.32) |
| Other Ethnic | -2066.34 | -1981.74 | -1.62 | 0.53 |
| | (3.61) | (2.08) | (3.04) | (0.22) |
| Years of Schooling | 681.94 | 909.62 | 0.18 | 0.44 |
| | (34.44) | (28.83) | (9.92) | (5.16) |
| Attending School Now | -2620.00 | -1196.75 | -5.68 | -0.09 |
| | (16.93) | (3.84) | (39.38) | (0.14) |
| Experience | 746.46 | 852.89 | 0.20 | 0.34 |
| | (65.97) | (44.18) | (19.04) | (6.98) |
| Experience Squared | -12.11 | -12.77 | -0.01 | -0.00 |
| | (54.17) | (31.82) | (29.46) | (2.33) |
| Non US Citizen | -396.47 | -92.76 | 0.51 | 2.41 |
| | (1.39) | (0.21) | (1.92) | (1.97) |
| Poor English Skills | -2901.34 | -3397.57 | 0.54 | -3.22 |
| | (5.13) | (3.69) | (1.03) | (1.32) |

| | | | | |
|---|---|---|---|---|
| Self-Employed | -905.07<br>(7.84) | -362.13<br>(2.02) | 0.83<br>(7.67) | 0.18<br>(0.35) |
| Federal Employee | 2047.38<br>(5.44) | 1451.71<br>(2.93) | 0.37<br>(1.05) | 0.17<br>(0.11) |
| State or Local Govt. | -1123.91<br>(4.65) | -2622.67<br>(6.96) | -0.55<br>(2.46) | -1.68<br>(1.62) |
| Disabled | -4431.74<br>(20.09) | -3402.67<br>(8.48) | -2.26<br>(10.98) | -2.13<br>(2.24) |
| Northeast | -1501.95<br>(6.70) | -1719.71<br>(5.05) | 0.03<br>(0.14) | -1.23<br>(1.28) |
| East North Central | -531.39<br>(3.22) | -609.58<br>(2.46) | 0.36<br>(2.34) | -1.33<br>(1.88) |
| West North Central | -1425.49<br>(6.28) | -2200.66<br>(6.32) | 0.24<br>(1.15) | -2.49<br>(2.56) |
| South Atlantic | -1438.03<br>(8.60) | -2124.90<br>(8.40) | 0.50<br>(3.20) | -1.86<br>(2.59) |
| East South Central | -1580.60<br>(6.04) | -2379.16<br>(5.97) | 1.11<br>(4.56) | -1.63<br>(1.45) |
| West South Central | -954.58<br>(4.08) | -1528.99<br>(5.11) | 0.92<br>(4.98) | -1.27<br>(1.49) |
| Mountain | -1529.88<br>(6.57) | -2510.85<br>(6.95) | 0.10<br>(0.47) | -1.75<br>(1.75) |
| Pacific Coast | 466.77<br>(3.07) | 695.66<br>(2.94) | -0.04<br>(0.25) | 1.88<br>(2.88) |
| Non-Urban Area | -2311.86<br>(15.59) | -2966.96<br>(12.55) | -0.06<br>(0.46) | -2.03<br>(3.19) |
| Actors and Directors | 6416.31<br>(27.42) | 8665.63<br>(23.78) | 1.58<br>(7.23) | 14.81<br>(14.72) |
| Announcers | 2423.28<br>(8.69) | 3476.54<br>(8.25) | -1.50<br>(5.77) | 3.35<br>(2.80) |
| Architects | 6726.12<br>(32.33) | 687.57<br>(24.00) | 1.73<br>(8.90) | 3.10<br>(3.46) |
| Authors | 774.36<br>(2.83) | 1624.21<br>(3.68) | -1.03<br>(4.02) | 2.10<br>(1.78) |

| | | | | |
|---|---|---|---|---|
| Dancers and Choreographers | 1865.02<br>(4.18) | 4307.10<br>(4.46) | -1.80<br>(4.33) | 3.77<br>(1.97) |
| Designers | 2434.94<br>(15.41) | 2467.40<br>(10.62) | 1.49<br>(10.11) | 1.03<br>(1.52) |
| Musicians and Composers | -1893.12<br>(10.16) | 157.88<br>(0.42) | -9.95<br>(57.29) | 5.83<br>(7.28) |
| Photographers | 467.93<br>(2.24) | 65.34<br>(0.21) | 1.01<br>(5.21) | 1.56<br>(1.74) |
| Post-secondary Teachers | 702.34<br>(1.98) | 1732.05<br>(2.66) | -3.29<br>(9.96) | 3.19<br>(2.10) |
| Artists n.e.c. | 845.20<br>(3.31) | 1951.99<br>(4.57) | -0.45<br>(1.88) | 3.21<br>(2.92) |
| Adjusted R-Square | .21 | .18 | .18 | .01 |

## Table 30

### Determinants of 1979 Earnings, Hours Worked and Wages
### Estimated Coefficients
### (T-Statistics)

### All Artists Combined
### (With Industry Restrictions)
### (With Occupation Dummies)

| | Earnings | Earnings (full-time) | Weekly Hours | Hourly Wage |
|---|---|---|---|---|
| Intercept | -1129.76 | -3604.73 | 35.43 | -3.10 |
| | (2.03) | (3.85) | (74.96) | (1.22) |
| Other HH Earnings | -21.41 | 12.62 | -0.56 | 0.04 |
| | (5.25) | (1.57) | (16.08) | (2.00) |
| Female | -6108.64 | -5726.45 | -5.14 | -0.16 |
| | (36.53) | (19.29) | (36.22) | (0.21) |
| Black | -1064.01 | -862.39 | -0.89 | 1.94 |
| | (2.99) | (1.40) | (2.95) | (1.20) |
| Hispanic | -1470.15 | -1955.94 | -0.38 | -1.36 |
| | (3.72) | (3.02) | (1.13) | (0.76) |
| Asian | -1907.61 | -3628.53 | -1.00 | 1.17 |
| | (3.43) | (4.33) | (2.12) | (0.46) |
| Other Ethnic | -2413.22 | -1628.62 | -2.47 | 1.18 |
| | (2.98) | (1.10) | (3.60) | (0.32) |
| Years of Schooling | 556.44 | 754.93 | 0.24 | 0.38 |
| | (18.19) | (14.47) | (9.09) | (2.72) |
| Attending School Now | -2823.81 | -1754.45 | -6.13 | -0.47 |
| | (12.14) | (3.40) | (31.04) | (0.44) |
| Experience | 892.50 | 1037.04 | 0.26 | 0.46 |
| | (51.19) | (33.83) | (17.23) | (5.82) |
| Experience Squared | -14.23 | -15.11 | -0.01 | -0.00 |
| | (41.24) | (23.86) | (23.92) | (1.75) |
| Non US Citizen | -774.37 | -706.22 | 0.45 | -1.04 |
| | (1.86) | (1.03) | (1.27) | (0.54) |
| Poor English Skills | -3920.25 | -4862.23 | 0.94 | -3.91 |
| | (4.47) | (3.24) | (1.26) | (0.98) |

| | | | | |
|---|---|---|---|---|
| Self-Employed | -706.65 | 186.97 | -0.24 | -0.46 |
| | (4.10) | (0.67) | (1.64) | (0.58) |
| Federal Employee | 415.98 | -182.65 | -0.54 | -1.71 |
| | (0.42) | (0.13) | (0.65) | (0.38) |
| State or Local Govt. | -962.93 | -2554.67 | -0.88 | -1.99 |
| | (2.58) | (3.97) | (2.78) | (1.17) |
| Disabled | -5493.33 | -4747.26 | -2.72 | -3.47 |
| | (16.73) | (7.32) | (9.75) | (2.32) |
| Northeast | -1671.88 | -1928.51 | 0.10 | -3.84 |
| | (4.98) | (3.55) | (0.35) | (2.51) |
| East North Central | -743.48 | -1256.32 | 0.47 | -2.32 |
| | (2.93) | (3.11) | (2.19) | (2.01) |
| West North Central | -1205.70 | -2134.65 | 0.69 | -3.40 |
| | (3.52) | (3.93) | (2.36) | (2.17) |
| South Atlantic | -1607.62 | -2231.02 | 0.49 | -2.50 |
| | (6.31) | (5.66) | (2.28) | (2.15) |
| East South Central | -1184.82 | -1892.98 | 1.38 | -1.61 |
| | (2.87) | (2.87) | (3.93) | (0.86) |
| West South Central | -751.50 | -1183.00 | 0.97 | -2.08 |
| | (2.46) | (2.45) | (3.75) | (1.49) |
| Mountain | -1626.04 | -2769.60 | 0.42 | -3.00 |
| | (4.73) | (4.94) | (1.43) | (1.91) |
| Pacific Coast | 1052.18 | 1596.88 | 0.23 | 2.73 |
| | (4.77) | (4.34) | (1.25) | (2.71) |
| Non-Urban Area | -2427.93 | -3372.94 | 0.41 | -1.93 |
| | (10.41) | (8.73) | (2.09) | (1.82) |
| Actors and Directors | 7287.72 | 9654.81 | 2.02 | 15.68 |
| | (24.47) | (20.02) | (7.99) | (11.53) |
| Announcers | 3909.82 | 4747.58 | -0.66 | 3.90 |
| | (10.96) | (8.66) | (2.17) | (2.40) |
| Architects | 9523.67 | 8859.05 | 2.59 | 3.90 |
| | (32.35) | (21.27) | (10.35) | (2.90) |
| Authors | 643.14 | 1292.34 | -0.89 | 1.33 |
| | (1.85) | (2.19) | (3.03) | (0.84) |

| | | | | |
|---|---|---|---|---|
| Dancers and Choreographers | 2600.24<br>(4.82) | 5315.31<br>(4.45) | -1.59<br>(3.46) | 4.17<br>(1.69) |
| Designers | 5620.60<br>(17.80) | 5492.04<br>(11.93) | 3.05<br>(11.39) | 2.36<br>(1.64) |
| Musicians and Composers | -432.98<br>(1.68) | 1683.33<br>(3.18) | -8.16<br>(37.26) | 8.16<br>(6.93) |
| Photographers | 1118.04<br>(4.07) | 476.48<br>(1.13) | 1.79<br>(7.67) | 1.60<br>(1.27) |
| Post-secondary Teachers | 1526.86<br>(3.36) | 2640.20<br>(3.08) | -3.34<br>(8.65) | 3.66<br>(1.76) |
| Artists n.e.c. | 2008.15<br>(5.54) | 2720.99<br>(4.27) | 0.82<br>(2.66) | 4.33<br>(2.61) |
| Adjusted R-Square | .20 | .17 | .16 | .01 |

## Table 31

## Determinants of 1979 Earnings, Hours Worked and Wages
Estimated Coefficients
(T-Statistics)

Actors and Directors

| | Earnings | Earnings (full-time) | Weekly Hours | Hourly Wage |
|---|---|---|---|---|
| Intercept | -1640.85 | -4548.74 | 32.04 | 27.00 |
| | (0.67) | (1.21) | (21.53) | (2.03) |
| Other HH Earnings | 27.34 | 130.58 | -0.02 | 0.02 |
| | (1.77) | (4.29) | (2.12) | (0.24) |
| Female | -8650.80 | -8820.67 | -4.85 | 5.33 |
| | (12.44) | (7.92) | (11.42) | (1.40) |
| Black | -1078.17 | 663.86 | -1.22 | -5.24 |
| | (0.77) | (0.32) | (1.42) | (0.68) |
| Hispanic | -2014.24 | -4855.99 | -2.03 | -4.62 |
| | (1.07) | (1.62) | (1.77) | (0.45) |
| Asian | -5805.24 | -11011.58 | -1.95 | -2.57 |
| | (1.93) | (2.34) | (1.06) | (0.16) |
| Other Ethnic | -4248.05 | -5759.37 | -4.09 | -0.25 |
| | (1.07) | (0.55) | (1.69) | (0.01) |
| Years of Schooling | 799.77 | 1179.28 | 0.45 | -0.87 |
| | (5.73) | (5.58) | (5.27) | (1.14) |
| Attending School Now | -2946.43 | -2168.62 | -5.90 | -0.71 |
| | (2.68) | (0.97) | (8.77) | (0.12) |
| Experience | 1328.34 | 1543.51 | 0.23 | 0.57 |
| | (16.64) | (11.75) | (4.72) | (1.31) |
| Experience Squared | -21.22 | -20.87 | -0.01 | 0.01 |
| | (12.77) | (7.09) | (9.85) | (1.10) |
| Non US Citizen | 1566.27 | 3881.37 | 1.59 | 4.01 |
| | (0.83) | (1.40) | (1.37) | (0.39) |
| Poor English Skills | -10057.91 | -5101.14 | -0.18 | -21.11 |
| | (2.17) | (0.48) | (0.06) | (0.83) |

| | | | | |
|---|---|---|---|---|
| Self-Employed | 2986.16<br>(3.28) | 821.50<br>(0.60) | -0.02<br>(0.04) | 1.98<br>(0.40) |
| Federal Employee | 2091.18<br>(0.91) | 490.99<br>(0.16) | -0.24<br>(0.17) | -12.45<br>(1.00) |
| State or Local Govt. | -2704.85<br>(1.74) | -6172.57<br>(2.90) | -1.76<br>(1.85) | -4.37<br>(0.51) |
| Disabled | -10749.78<br>(6.26) | -8964.00<br>(2.70) | -2.84<br>(2.71) | -9.63<br>(1.03) |
| Northeast | -2248.45<br>(1.34) | -6166.40<br>(2.65) | 3.76<br>(3.68) | -12.72<br>(1.39) |
| East North Central | -3552.66<br>(2.78) | -6912.57<br>(3.84) | 2.65<br>(3.39) | -14.75<br>(2.11) |
| West North Central | -4748.30<br>(2.75) | -9770.84<br>(4.20) | 1.30<br>(1.23) | -13.17<br>(1.40) |
| South Atlantic | -2165.16<br>(1.86) | -6148.76<br>(3.86) | 2.80<br>(3.93) | -8.44<br>(1.33) |
| East South Central | -4368.67<br>(1.95) | -9730.19<br>(3.24) | 2.50<br>(1.83) | 16.46<br>(1.35) |
| West South Central | -3459.31<br>(2.22) | -7524.37<br>(3.71) | 3.36<br>(3.52) | -14.72<br>(1.73) |
| Mountain | -5406.83<br>(3.12) | -7663.22<br>(3.06) | 2.90<br>(2.74) | -15.10<br>(1.60) |
| Pacific Coast | 4952.34<br>(5.87) | 4768.92<br>(3.55) | 3.43<br>(6.65) | 2.61<br>(0.57) |
| Non-Urban Area | -3072.93<br>(2.33) | -4416.11<br>(2.41) | 2.55<br>(3.17) | -11.88<br>(1.65) |
| Adjusted R Square | .16 | .20 | .09 | .01 |

## Table 32

## Determinants of 1979 Earnings, Hours Worked and Wages
Estimated Coefficients
(T-Statistics)

### Actors and Directors
(With Industry Restrictions)

| | Earnings | Earnings (full-time) | Weekly Hours | Hourly Wage |
|---|---|---|---|---|
| Intercept | -1597.94 | -4852.88 | 30.85 | 28.95 |
| | (0.60) | (1.16) | (19.35) | (1.97) |
| Other HH Earnings | 30.34 | 127.23 | -0.02 | 0.02 |
| | (1.86) | (3.93) | (2.04) | (0.22) |
| Female | -8799.04 | -9052.99 | -4.51 | 5.80 |
| | (11.78) | (7.44) | (10.03) | (1.40) |
| Black | -1510.52 | -360.01 | -1.29 | -6.15 |
| | (1.00) | (0.16) | (1.42) | (0.74) |
| Hispanic | -1940.40 | -5235.46 | -1.95 | -4.95 |
| | (0.94) | (1.58) | (1.57) | (0.43) |
| Asian | -6811.13 | -12107.19 | -1.48 | -3.04 |
| | (2.09) | (2.30) | (0.75) | (0.17) |
| Other Ethnic | -4685.83 | -5953.21 | -4.85 | -0.99 |
| | (1.12) | (0.55) | (1.93) | (0.04) |
| Years of Schooling | 782.02 | 1169.41 | 0.52 | -1.02 |
| | (5.13) | (4.94) | (5.67) | (1.21) |
| Attending School Now | -2985.99 | -2159.87 | -5.93 | -0.60 |
| | (2.51) | (0.87) | (8.28) | (0.09) |
| Experience | 1353.72 | 1593.92 | 0.23 | 0.64 |
| | (15.83) | (11.19) | (4.47) | (1.35) |
| Experience Squared | -21.29 | -20.84 | -0.01 | 0.01 |
| | (12.04) | (6.58) | (9.40) | (1.02) |
| Non US Citizen | 1653.73 | 4105.31 | 1.90 | 4.46 |
| | (0.82) | (1.35) | (1.57) | (0.40) |
| Poor English Skills | -12262.27 | -9415.73 | 0.75 | -28.68 |
| | (2.42) | (0.76) | (0.25) | (1.02) |

| | | | | |
|---|---|---|---|---|
| Self-Employed | 2866.62<br>(2.99) | 413.91<br>(0.28) | -0.14<br>(0.24) | 1.48<br>(0.28) |
| Federal Employee | 1135.44<br>(0.29) | -809.98<br>(0.14) | -4.69<br>(2.02) | -13.51<br>(0.63) |
| State or Local Govt. | -2723.30<br>(1.53) | -6862.12<br>(2.90) | -0.52<br>(0.48) | -7.76<br>(0.78) |
| Disabled | -11619.32<br>(6.33) | -9815.79<br>(2.66) | -3.17<br>(2.87) | -11.19<br>(1.10) |
| Northeast | -2494.08<br>(1.38) | -6563.39<br>(2.55) | 4.11<br>(3.77) | -12.68<br>(1.26) |
| East North Central | -3670.04<br>(2.66) | -7065.98<br>(3.59) | 1.98<br>(2.38) | -15.21<br>(1.98) |
| West North Central | -4889.74<br>(2.58) | -9954.72<br>(3.89) | 1.24<br>(1.09) | -13.13<br>(1.25) |
| South Atlantic | -2337.84<br>(1.80) | -5841.77<br>(3.25) | 3.03<br>(3.87) | -7.40<br>(1.03) |
| East South Central | -3538.66<br>(1.41) | -9143.06<br>(2.72) | 3.61<br>(2.38) | 16.33<br>(1.17) |
| West South Central | -3291.75<br>(1.96) | -6840.58<br>(3.13) | 3.61<br>(3.58) | -15.03<br>(1.61) |
| Mountain | -5994.52<br>(3.19) | -8700.38<br>(3.19) | 3.20<br>(2.82) | -15.96<br>(1.53) |
| Pacific Coast | 5126.03<br>(5.76) | 5460.89<br>(3.81) | 3.47<br>(6.48) | 2.47<br>(0.50) |
| Non-Urban Area | -3128.96<br>(2.15) | -4596.51<br>(2.26) | 2.56<br>(2.93) | -11.73<br>(1.45) |
| Adjusted R Square | .16 | .21 | .08 | .01 |

## Table 33

## Determinants of 1979 Earnings, Hours Worked and Wages
Estimated Coefficients
(T-Statistics)

Announcers

| | Earnings | Earnings (full-time) | Weekly Hours | Hourly Wage |
|---|---|---|---|---|
| Intercept | -9598.94 | -15093.85 | 29.00 | -0.66 |
| | (5.28) | (5.31) | (18.46) | (0.21) |
| Other HH Earnings | -41.75 | -47.15 | -0.08 | -0.00 |
| | (2.98) | (1.61) | (6.61) | (0.00) |
| Female | -3669.59 | -2545.23 | -3.62 | -0.67 |
| | (6.13) | (2.52) | (7.01) | (0.65) |
| Black | -1375.78 | 943.13 | -0.82 | -1.29 |
| | (1.48) | (0.64) | (1.02) | (0.81) |
| Hispanic | -2866.78 | -3122.71 | 0.24 | -2.78 |
| | (2.33) | (1.66) | (0.23) | (1.32) |
| Asian | -4566.13 | -2812.31 | -2.76 | -4.10 |
| | (1.28) | (0.50) | (0.89) | (0.67) |
| Other Ethnic | 485.88 | 3405.63 | -0.45 | -1.34 |
| | (0.18) | (0.85) | (0.19) | (0.29) |
| Years of Schooling | 1199.63 | 1666.49 | 0.59 | 0.56 |
| | (10.98) | (9.86) | (6.25) | (2.99) |
| Attending School Now | -1026.54 | -1342.77 | -9.33 | 1.07 |
| | (1.60) | (0.97) | (16.83) | (0.97) |
| Experience | 1183.72 | 1033.06 | 0.51 | 0.67 |
| | (17.88) | (9.38) | (8.92) | (5.91) |
| Experience Squared | -16.88 | -10.82 | -0.01 | -0.01 |
| | (11.27) | (4.13) | (7.73) | (3.90) |
| Non US Citizen | -1200.51 | -719.46 | -1.77 | -0.35 |
| | (0.52) | (0.20) | (0.89) | (0.09) |
| Poor English Skills | -3285.13 | -4696.73 | 4.12 | -3.22 |
| | (0.91) | (0.83) | (1.32) | (0.52) |

| | | | | |
|---|---|---|---|---|
| Self-Employed | 2126.45<br>(1.52) | 5482.82<br>(2.32) | -2.29<br>(1.89) | 3.38<br>(1.41) |
| Federal Employee | 2634.22<br>(1.08) | 2437.17<br>(0.74) | 0.34<br>(0.16) | 1.15<br>(0.28) |
| State or Local Govt. | -4610.65<br>(3.09) | -7200.00<br>(2.53) | -0.20<br>(0.16) | -3.08<br>(1.21) |
| Disabled | -5439.42<br>(4.88) | -3772.00<br>(1.95) | -5.47<br>(5.69) | -1.36<br>(0.71) |
| Northeast | 191.18<br>(0.14) | 3064.58<br>(1.46) | 2.72<br>(2.27) | -4.46<br>(1.88) |
| East North Central | 790.33<br>(0.86) | 1129.33<br>(0.77) | 1.45<br>(1.82) | -1.59<br>(1.00) |
| West North Central | 763.74<br>(0.72) | 2973.86<br>(1.76) | 2.01<br>(2.19) | -3.62<br>(1.99) |
| South Atlantic | -958.98<br>(1.07) | -375.15<br>(0.26) | 1.30<br>(1.68) | -3.84<br>(2.50) |
| East South Central | -1526.06<br>(1.37) | -936.95<br>(0.51) | 1.20<br>(1.24) | -4.06<br>(2.12) |
| West South Central | -481.05<br>(0.48) | -199.33<br>(0.12) | 1.39<br>(1.61) | -3.70<br>(2.17) |
| Mountain | -898.43<br>(0.78) | -90.79<br>(0.05) | 0.66<br>(0.66) | -3.63<br>(1.83) |
| Pacific Coast | 2008.06<br>(2.05) | 3993.99<br>(2.60) | 0.39<br>(0.46) | -2.42<br>(1.44) |
| Non-Urban Area | -3096.43<br>(5.42) | -4763.93<br>(5.12) | 0.36<br>(0.73) | -2.50<br>(2.55) |
| Adjusted R Square | .27 | .24 | .22 | .04 |

## Table 34

## Determinants of 1979 Earnings, Hours Worked and Wages
Estimated Coefficients
(T-Statistics)

### Announcers
(With Industry Restrictions)

| | Earnings | Earnings (full-time) | Weekly Hours | Hourly Wage |
|---|---|---|---|---|
| Intercept | -9557.56<br>(4.82) | -15268.56<br>(4.93) | 29.07<br>(17.24) | -0.88<br>(0.38) |
| Other HH Earnings | -43.01<br>(2.78) | -67.72<br>(2.14) | -0.08<br>(6.08) | 0.01<br>(0.55) |
| Female | -3618.79<br>(5.69) | -2520.09<br>(2.34) | -3.56<br>(6.57) | -1.49<br>(2.00) |
| Black | -922.33<br>(0.87) | 985.45<br>(0.60) | -1.30<br>(1.44) | -0.90<br>(0.72) |
| Hispanic | -2936.78<br>(2.19) | -3750.14<br>(1.88) | 0.93<br>(0.82) | -2.95<br>(1.88) |
| Asian | -4829.27<br>(1.29) | -3350.97<br>(0.57) | -1.42<br>(0.45) | -4.18<br>(0.96) |
| Other Ethnic | 1435.67<br>(0.47) | 4534.51<br>(0.96) | -1.32<br>(0.51) | -0.08<br>(0.02) |
| Years of Schooling | 1177.76<br>(10.11) | 1697.96<br>(9.33) | 0.58<br>(5.85) | 0.50<br>(3.66) |
| Attending School Now | -1119.10<br>(1.62) | -1786.48<br>(1.18) | -9.66<br>(16.45) | 0.71<br>(0.88) |
| Experience | 1188.45<br>(16.98) | 1041.76<br>(8.77) | 0.53<br>(8.90) | 0.52<br>(6.34) |
| Experience Squared | -16.56<br>(10.42) | -10.40<br>(3.66) | -0.01<br>(7.40) | -0.00<br>(0.00) |
| Non US Citizen | -1173.66<br>(0.45) | -591.97<br>(0.14) | -2.24<br>(1.02) | 0.54<br>(0.18) |
| Poor English Skills | -3206.49<br>(0.87) | -4091.56<br>(0.69) | 3.60<br>(1.15) | -2.93<br>(0.68) |

| | | | | |
|---|---|---|---|---|
| Self-Employed | 2289.18<br>(1.41) | 5309.22<br>(1.97) | -2.72<br>(1.97) | 5.28<br>(2.77) |
| Federal Employee | 4114.96<br>(1.32) | 3421.36<br>(0.79) | -4.32<br>(1.63) | 3.89<br>(1.07) |
| State or Local Govt. | -4626.82<br>(2.45) | -6217.49<br>(1.60) | -0.06<br>(0.04) | -2.75<br>(1.24) |
| Disabled | -5551.89<br>(4.67) | -3441.32<br>(1.63) | -5.58<br>(5.52) | -1.49<br>(1.07) |
| Northeast | 553.65<br>(0.37) | 3081.07<br>(1.39) | 2.73<br>(2.17) | -2.49<br>(1.44) |
| East North Central | 646.23<br>(0.65) | 672.27<br>(0.43) | 1.69<br>(2.00) | -0.97<br>(0.83) |
| West North Central | 1184.65<br>(1.05) | 2803.37<br>(1.56) | 2.13<br>(2.22) | -1.68<br>(1.27) |
| South Atlantic | -998.48<br>(1.02) | -733.52<br>(0.47) | 1.72<br>(2.07) | -2.25<br>(1.96) |
| East South Central | -1231.57<br>(1.04) | -1029.47<br>(0.52) | 0.99<br>(0.98) | -2.17<br>(1.57) |
| West South Central | -125.00<br>(0.12) | -177.79<br>(0.10) | 1.60<br>(1.74) | -1.93<br>(1.52) |
| Mountain | -852.67<br>(0.70) | -599.74<br>(0.31) | 0.93<br>(0.90) | -1.92<br>(1.34) |
| Pacific Coast | 2614.60<br>(2.47) | 4100.46<br>(2.47) | 0.47<br>(0.52) | 0.01<br>(0.01) |
| Non-Urban Area | -3134.13<br>(5.20) | -4990.88<br>(5.08) | 0.44<br>(0.86) | -2.38<br>(3.37) |
| Adjusted R Square | .28 | .24 | .23 | .08 |

Table 35

Determinants of 1979 Earnings, Hours Worked and Wages
Estimated Coefficients
(T-Statistics)

Architects

| | Earnings | Earnings (full-time) | Weekly Hours | Hourly Wage |
|---|---|---|---|---|
| Intercept | -11678.42 | -11621.41 | 37.30 | -7.09 |
| | (7.30) | (5.43) | (42.92) | (3.32) |
| Other HH Earnings | -55.33 | -41.08 | -0.05 | -0.02 |
| | (3.75) | (1.89) | (6.24) | (1.01) |
| Female | -6912.57 | -5429.12 | -3.87 | -1.97 |
| | (9.42) | (5.25) | (9.72) | (2.01) |
| Black | -2839.63 | -2572.27 | -2.73 | 0.89 |
| | (2.30) | (1.58) | (4.07) | (0.54) |
| Hispanic | -443.59 | -274.81 | 0.49 | -0.20 |
| | (0.41) | (0.21) | (0.84) | (0.14) |
| Asian | -1872.34 | -3037.40 | -0.23 | -1.30 |
| | (1.66) | (2.35) | (0.38) | (0.87) |
| Other Ethnic | -3243.89 | -4979.87 | 1.14 | -2.06 |
| | (1.08) | (1.38) | (0.70) | (0.52) |
| Years of Schooling | 1242.88 | 1328.38 | 0.18 | 0.79 |
| | (14.46) | (11.76) | (3.86) | (6.88) |
| Attending School Now | -2646.63 | -1008.22 | -4.47 | 0.90 |
| | (3.57) | (0.89) | (11.12) | (0.91) |
| Experience | 1460.34 | 1348.22 | 0.32 | 0.39 |
| | (29.20) | (19.58) | (11.79) | (5.84) |
| Experience Squared | -24.20 | -19.55 | -0.01 | -0.00 |
| | (23.47) | (13.10) | (17.86) | (0.00) |
| Non US Citizen | -3506.99 | -3110.54 | -0.87 | -0.39 |
| | (3.14) | (2.19) | (1.43) | (0.26) |
| Poor English Skills | -1406.36 | -1823.09 | 1.87 | -2.61 |
| | (0.45) | (0.42) | (1.10) | (0.63) |

| | | | | |
|---|---|---|---|---|
| Self-Employed | 2200.33<br>(4.84) | 3854.41<br>(7.03) | 2.14<br>(8.67) | 2.38<br>(3.92) |
| Federal Employee | 1132.98<br>(1.04) | -62.06<br>(0.05) | -0.72<br>(1.22) | 0.36<br>(0.25) |
| State or Local Govt. | -2828.02<br>(3.14) | -4236.54<br>(4.09) | -0.91<br>(1.86) | -1.51<br>(1.26) |
| Disabled | -6188.06<br>(5.82) | -2699.70<br>(1.79) | -3.25<br>(5.63) | 0.10<br>(0.07) |
| Northeast | -2050.89<br>(2.19) | -1944.42<br>(1.67) | 0.05<br>(0.10) | -1.62<br>(1.29) |
| East North Central | 2414.33<br>(3.25) | 2256.31<br>(2.52) | 1.11<br>(2.75) | 1.51<br>(1.52) |
| West North Central | 1915.05<br>(1.99) | 1173.20<br>(1.04) | 1.70<br>(3.25) | -0.85<br>(0.66) |
| South Atlantic | 837.44<br>(1.15) | 182.83<br>(0.21) | 0.55<br>(1.39) | 0.77<br>(0.79) |
| East South Central | 731.73<br>(0.63) | 159.88<br>(0.11) | 1.67<br>(2.64) | -1.39<br>(0.89) |
| West South Central | 3609.90<br>(4.42) | 3495.86<br>(3.57) | 0.54<br>(1.22) | 2.54<br>(2.33) |
| Mountain | 1161.59<br>(1.25) | 477.69<br>(0.42) | 0.63<br>(1.25) | -0.26<br>(0.21) |
| Pacific Coast | 1846.40<br>(2.77) | 1934.10<br>(2.39) | 0.38<br>(1.05) | 0.11<br>(0.12) |
| Non-Urban Area | -2284.37<br>(3.33) | -2822.20<br>(3.36) | 0.79<br>(2.12) | -1.04<br>(1.14) |
| Adjusted R Square | .20 | .17 | .11 | .04 |

## Table 36

## Determinants of 1979 Earnings, Hours Worked and Wages
Estimated Coefficients
(T-Statistics)

### Architects
(With Industry Restrictions)

| | Earnings | Earnings (full-time) | Weekly Hours | Hourly Wage |
|---|---|---|---|---|
| Intercept | -849.88<br>(0.33) | -3649.99<br>(1.16) | 39.41<br>(32.38) | 1.23<br>(0.49) |
| Other HH Earnings | -60.30<br>(2.97) | -54.49<br>(1.94) | -0.04<br>(4.22) | -0.02<br>(1.03) |
| Female | -6777.71<br>(6.57) | -5356.00<br>(3.85) | -2.95<br>(6.13) | -2.48<br>(2.50) |
| Black | -2914.20<br>(1.49) | -2739.78<br>(1.12) | -2.14<br>(2.35) | 2.61<br>(1.39) |
| Hispanic | -675.77<br>(0.47) | -350.08<br>(0.21) | 0.55<br>(0.82) | 0.46<br>(0.33) |
| Asian | -855.82<br>(0.61) | -1825.46<br>(1.17) | -0.61<br>(0.94) | -0.19<br>(0.14) |
| Other Ethnic | -3068.52<br>(0.75) | -4133.78<br>(0.89) | 1.07<br>(0.56) | -2.66<br>(0.68) |
| Years of Schooling | 554.32<br>(3.96) | 802.26<br>(4.80) | 0.05<br>(0.77) | 0.23<br>(1.71) |
| Attending School Now | -3251.97<br>(3.13) | -1173.49<br>(0.80) | -4.01<br>(8.29) | 0.43<br>(0.43) |
| Experience | 1568.30<br>(23.23) | 1431.02<br>(16.43) | 0.31<br>(9.86) | 0.57<br>(8.80) |
| Experience Squared | -26.97<br>(19.60) | -21.53<br>(11.56) | -0.01<br>(15.60) | -0.01<br>(7.58) |
| Non US Citizen | -4437.58<br>(3.13) | -4071.19<br>(2.35) | -1.07<br>(1.62) | -1.62<br>(1.19) |
| Poor English Skills | -2805.10<br>(0.57) | 533.67<br>(0.09) | 4.10<br>(1.80) | -2.89<br>(0.62) |

| | | | | |
|---|---|---|---|---|
| Self-Employed | 4359.02 | 5268.49 | 2.72 | 2.14 |
| | (7.14) | (7.68) | (9.56) | (3.66) |
| Federal Employee | -1274.60 | -1913.83 | -1.51 | -0.77 |
| | (0.52) | (0.71) | (1.33) | (0.33) |
| State or Local Govt. | -3161.60 | -4716.22 | 0.01 | -1.70 |
| | (1.87) | (2.48) | (0.01) | (1.05) |
| Disabled | -5580.21 | -3582.27 | -2.22 | 4.11 |
| | (3.70) | (1.84) | (3.16) | (2.84) |
| Northeast | -1857.93 | -1950.23 | -0.02 | -1.28 |
| | (1.50) | (1.35) | (0.03) | (1.08) |
| East North Central | 3539.71 | 3220.41 | 1.07 | 0.50 |
| | (3.64) | (2.92) | (2.36) | (0.54) |
| West North Central | 2496.08 | 1712.88 | 2.18 | -0.68 |
| | (2.04) | (1.26) | (3.83) | (0.58) |
| South Atlantic | 1213.05 | 870.56 | 0.47 | 0.56 |
| | (1.24) | (0.78) | (1.03) | (0.60) |
| East South Central | 3034.79 | 2548.98 | 2.05 | -0.59 |
| | (1.89) | (1.41) | (2.74) | (0.38) |
| West South Central | 4649.41 | 4473.71 | 1.19 | 3.74 |
| | (4.44) | (3.76) | (2.44) | (3.72) |
| Mountain | 1995.31 | 1418.02 | 0.54 | 0.36 |
| | (1.60) | (1.00) | (0.93) | (0.30) |
| Pacific Coast | 1940.62 | 2455.85 | 0.41 | 0.14 |
| | (2.23) | (2.43) | (1.01) | (0.17) |
| Non-Urban Area | -2922.30 | -3857.42 | 0.48 | -0.40 |
| | (3.02) | (3.49) | (1.06) | (0.43) |
| Adjusted R Square | .19 | .16 | .11 | .05 |

## Table 37

## Determinants of 1979 Earnings, Hours Worked and Wages
Estimated Coefficients
(T-Statistics)

| | Authors | | | |
|---|---|---|---|---|
| | Earnings | Earnings (full-time) | Weekly Hours | Hourly Wage |
| Intercept | 7201.31 | 2392.14 | 38.61 | 8.49 |
| | (2.72) | (0.50) | (20.29) | (1.28) |
| Other HH Earnings | 0.65 | 77.81 | -0.06 | 0.02 |
| | (0.04) | (2.31) | (5.20) | (0.50) |
| Female | -9003.05 | -9598.35 | -6.39 | -3.13 |
| | (12.30) | (7.18) | (12.16) | (1.71) |
| Black | -786.90 | -2885.97 | -0.24 | -1.62 |
| | (0.36) | (0.84) | (0.15) | (0.30) |
| Hispanic | 5008.02 | 2981.32 | 1.32 | -2.34 |
| | (1.83) | (0.77) | (0.67) | (0.34) |
| Asian | -5857.20 | -3858.19 | 5.05 | -6.55 |
| | (1.41) | (0.49) | (1.70) | (0.63) |
| Other Ethnic | -4093.30 | -8292.16 | 2.15 | -3.91 |
| | (0.97) | (1.02) | (0.71) | (0.37) |
| Years of Schooling | 549.60 | 951.66 | 0.18 | 0.08 |
| | (3.81) | (3.73) | (1.74) | (0.22) |
| Attending School Now | -3281.32 | -1882.60 | -3.14 | -0.81 |
| | (2.50) | (0.64) | (3.33) | (0.25) |
| Experience | 688.58 | 976.16 | 0.11 | 0.27 |
| | (8.41) | (6.14) | (1.87) | (1.32) |
| Experience Squared | -11.36 | -15.88 | -0.00 | -0.00 |
| | (7.76) | (5.34) | (0.00) | (0.00) |
| Non US Citizen | 1295.23 | 1903.03 | 1.34 | 10.45 |
| | (0.59) | (0.51) | (0.86) | (1.92) |
| Poor English Skills | -1846.44 | -4120.66 | 4.60 | -9.29 |
| | (0.34) | (0.54) | (1.19) | (0.69) |

| | | | | |
|---|---|---|---|---|
| Self-Employed | -5219.11 | -7336.95 | 0.23 | -1.41 |
| | (6.06) | (4.92) | (0.37) | (0.66) |
| Federal Employee | 4152.98 | 3684.29 | 3.45 | 6.00 |
| | (1.52) | (0.87) | (1.76) | (0.88) |
| State or Local Govt. | -3454.13 | -4947.46 | -0.60 | -0.77 |
| | (1.62) | (1.30) | (0.39) | (0.14) |
| Disabled | -6072.22 | -8127.68 | -3.50 | -10.20 |
| | (4.55) | (2.82) | (3.65) | (3.06) |
| Northeast | 720.79 | 2528.40 | -2.15 | -9.56 |
| | (0.48) | (0.93) | (2.00) | (2.56) |
| East North Central | -3508.81 | -4969.80 | -1.59 | -1.07 |
| | (2.67) | (2.10) | (1.68) | (0.33) |
| West North Central | -2294.35 | -5958.01 | -3.25 | -0.37 |
| | (1.21) | (1.68) | (2.39) | (0.08) |
| South Atlantic | -1916.30 | -3182.75 | -0.88 | 2.77 |
| | (1.57) | (1.49) | (1.00) | (0.91) |
| East South Central | -1232.94 | 302.41 | -1.36 | -4.32 |
| | (0.38) | (0.06) | (0.58) | (0.53) |
| West South Central | -2592.88 | -1952.97 | -1.80 | -2.33 |
| | (1.50) | (0.59) | (1.45) | (0.54) |
| Mountain | -3397.48 | -3767.59 | -2.35 | 1.80 |
| | (1.99) | (1.20) | (1.92) | (0.42) |
| Pacific Coast | 729.88 | 2469.43 | -0.53 | 1.44 |
| | (0.77) | (1.46) | (0.78) | (0.61) |
| Non-Urban Area | -2278.60 | -1522.73 | 0.93 | 1.40 |
| | (1.88) | (0.68) | (1.07) | (0.46) |
| Adjusted R Square | .10 | .09 | .09 | .01 |

## Table 38

## Determinants of 1979 Earnings, Hours Worked and Wages
Estimated Coefficients
(T-Statistics)

Authors
(With Industry Restrictions)

| | Earnings | Earnings (full-time) | Weekly Hours | Hourly Wage |
|---|---|---|---|---|
| Intercept | 8229.83 | 5026.68 | 38.73 | 4.25 |
| | (2.69) | (0.84) | (17.98) | (0.58) |
| Other HH Earnings | 1.48 | 67.80 | -0.05 | 0.01 |
| | (0.08) | (1.78) | (3.95) | (0.23) |
| Female | -9140.49 | -10187.41 | -6.90 | -2.09 |
| | (11.00) | (6.34) | (11.79) | (1.05) |
| Black | -1031.92 | -3030.86 | -0.23 | -3.91 |
| | (0.37) | (0.68) | (0.12) | (0.59) |
| Hispanic | 1571.40 | -313.13 | 2.11 | -2.85 |
| | (0.46) | (0.06) | (0.87) | (0.35) |
| Asian | -7225.41 | -6720.48 | 6.01 | -3.95 |
| | (1.53) | (0.72) | (1.81) | (0.35) |
| Other Ethnic | -3920.18 | -10176.73 | 0.33 | -4.05 |
| | (0.78) | (1.03) | (0.09) | (0.34) |
| Years of Schooling | 515.09 | 913.93 | 0.14 | 0.44 |
| | (3.11) | (2.89) | (1.20) | (1.11) |
| Attending School Now | -3446.77 | -2459.99 | -2.41 | -0.72 |
| | (2.26) | (0.67) | (2.24) | (0.20) |
| Experience | 665.22 | 1040.52 | 0.08 | 0.28 |
| | (7.23) | (5.56) | (1.23) | (1.27) |
| Experience Squared | -11.00 | -16.72 | -0.00 | -0.00 |
| | (6.80) | (4.89) | (0.00) | (0.00) |
| Non US Citizen | 1119.59 | 2405.86 | 0.99 | -3.19 |
| | (0.44) | (0.53) | (0.56) | (0.53) |
| Poor English Skills | -1514.29 | -7090.27 | 4.91 | -4.63 |
| | (0.23) | (0.74) | (1.07) | (0.30) |

| | | | | |
|---|---|---|---|---|
| Self-Employed | -5374.05 | -9899.15 | 1.13 | -3.22 |
| | (4.94) | (4.73) | (1.47) | (1.24) |
| Federal Employee | -6599.73 | -1442.82 | -9.01 | 56.98 |
| | (0.62) | (0.06) | (1.21) | (2.25) |
| State or Local Govt. | -3446.12 | -5785.08 | 0.35 | -4.88 |
| | (1.19) | (1.00) | (0.17) | (0.70) |
| Disabled | -5961.91 | -8970.40 | -3.56 | -11.62 |
| | (4.04) | (2.69) | (3.43) | (3.29) |
| Northeast | 837.55 | 3019.17 | -2.50 | -11.04 |
| | (0.51) | (0.97) | (2.18) | (2.83) |
| East North Central | -3637.35 | -5516.64 | -2.10 | -1.10 |
| | (2.45) | (1.94) | (2.01) | (0.31) |
| West North Central | -2830.53 | -6973.34 | -3.48 | -1.34 |
| | (1.30) | (1.59) | (2.27) | (0.26) |
| South Atlantic | -2135.47 | -2924.16 | -1.21 | 2.94 |
| | (1.50) | (1.11) | (1.21) | (0.86) |
| East South Central | -4074.48 | -3700.80 | -3.87 | -4.55 |
| | (1.04) | (0.56) | (1.40) | (0.48) |
| West South Central | -2925.95 | -1960.32 | -2.02 | -2.52 |
| | (1.49) | (0.47) | (1.46) | (0.54) |
| Mountain | -4427.46 | -5673.03 | -2.12 | -5.59 |
| | (2.31) | (1.57) | (1.57) | (1.22) |
| Pacific Coast | 1227.10 | 3504.89 | -0.31 | 1.79 |
| | (1.17) | (1.78) | (0.42) | (0.71) |
| Non-Urban Area | -2022.05 | -1322.11 | 1.29 | 3.38 |
| | (1.48) | (0.50) | (1.34) | (1.04) |
| Adjusted R Square | .08 | .09 | .09 | .01 |

## Table 39

## Determinants of 1979 Earnings, Hours Worked and Wages
Estimated Coefficients
(T-Statistics)

Dancers

| | Earnings | Earnings (full-time) | Weekly Hours | Hourly Wage |
|---|---|---|---|---|
| Intercept | 6950.08 | 1266.93 | 35.94 | 8.56 |
| | (3.98) | (0.26) | (12.33) | (2.11) |
| Other HH Earnings | 50.20 | 245.22 | -0.04 | 0.02 |
| | (3.42) | (5.84) | (1.63) | (0.59) |
| Female | -2399.84 | -2272.72 | -0.44 | -2.28 |
| | (3.88) | (1.47) | (0.43) | (1.59) |
| Black | 1145.82 | -1050.82 | 2.17 | 0.56 |
| | (1.24) | (0.53) | (1.41) | (0.26) |
| Hispanic | -1336.05 | -4760.81 | -0.29 | -0.34 |
| | (1.11) | (1.64) | (0.14) | (0.12) |
| Asian | -3735.30 | -8851.97 | -3.09 | 2.57 |
| | (2.34) | (1.35) | (1.16) | (0.69) |
| Other Ethnic | -2762.54 | -3411.42 | -6.16 | 0.57 |
| | (1.82) | (0.71) | (2.44) | (0.16) |
| Years of Schooling | 50.98 | 473.26 | 0.09 | 0.03 |
| | (0.48) | (1.65) | (0.51) | (0.12) |
| Attending School Now | -2829.19 | -3459.53 | -9.94 | -2.55 |
| | (3.83) | (1.41) | (8.07) | (1.49) |
| Experience | 394.46 | 1018.64 | -0.09 | 0.29 |
| | (5.38) | (4.97) | (0.73) | (1.70) |
| Experience Squared | -6.68 | -17.61 | -0.00 | -0.01 |
| | (3.96) | (3.56) | (0.00) | (2.55) |
| Non US Citizen | 4646.62 | 3749.50 | 3.90 | -2.57 |
| | (3.52) | (1.36) | (1.77) | (0.84) |
| Poor English Skills | -3401.21 | -719.86 | 3.55 | -3.16 |
| | (1.23) | (0.12) | (0.77) | (0.49) |

| | | | | |
|---|---|---|---|---|
| Self-Employed | -198.47 | -526.48 | -2.52 | 0.94 |
| | (0.24) | (0.23) | (1.84) | (0.49) |
| Federal Employee | 6255.24 | 7208.65 | -2.45 | 1.80 |
| | (2.01) | (1.37) | (0.47) | (0.25) |
| State or Local Govt. | -2013.14 | -2178.20 | -1.87 | 4.47 |
| | (1.30) | (0.38) | (0.72) | (1.24) |
| Disabled | -2370.31 | -2880.96 | 1.61 | -3.20 |
| | (1.95) | (0.93) | (0.79) | (1.13) |
| Northeast | -2866.36 | -2940.14 | -2.20 | -1.58 |
| | (2.08) | (0.63) | (0.96) | (0.49) |
| East North Central | -2191.86 | -3930.33 | 0.51 | 1.79 |
| | (2.41) | (1.68) | (0.34) | (0.85) |
| West North Central | -1563.78 | 754.23 | -1.57 | -1.13 |
| | (1.10) | (0.17) | (0.66) | (0.34) |
| South Atlantic | -1424.54 | -3270.50 | -0.51 | -2.66 |
| | (1.67) | (1.66) | (0.36) | (1.34) |
| East South Central | -2870.07 | -2535.09 | 3.56 | -4.67 |
| | (1.98) | (0.73) | (1.47) | (1.39) |
| West South Central | -2565.86 | -6050.18 | -0.67 | -1.19 |
| | (2.39) | (2.50) | (0.37) | (0.48) |
| Mountain | 1518.26 | -1089.66 | -0.84 | 0.82 |
| | (1.45) | (0.43) | (0.48) | (0.34) |
| Pacific Coast | -1020.51 | -408.04 | -3.54 | -0.05 |
| | (1.36) | (0.19) | (2.82) | (0.03) |
| Non-Urban Area | -910.87 | -1911.68 | -4.77 | 1.40 |
| | (0.88) | (0.71) | (2.75) | (0.58) |
| Adjusted R Square | .12 | .25 | .10 | .00 |

Table 40

Determinants of 1979 Earnings, Hours Worked and Wages
Estimated Coefficients
(T-Statistics)

Dancers
(With Industry Restrictions)

| | Earnings | Earnings (full-time) | Weekly Hours | Hourly Wage |
|---|---|---|---|---|
| Intercept | 6969.13 | -390.68 | 35.54 | 7.98 |
| | (3.79) | (0.08) | (11.68) | (1.83) |
| Other HH Earnings | 68.08 | 288.91 | -0.03 | 0.03 |
| | (4.37) | (6.82) | (1.16) | (0.81) |
| Female | -2361.86 | -2432.68 | -0.67 | -2.40 |
| | (3.65) | (1.50) | (0.62) | (1.56) |
| Black | 1340.71 | 459.91 | 2.31 | 0.82 |
| | (1.39) | (0.22) | (1.44) | (0.36) |
| Hispanic | -1411.71 | -5317.22 | -0.30 | -0.17 |
| | (1.13) | (1.87) | (0.15) | (0.06) |
| Asian | -3993.20 | -10999.43 | -2.99 | 2.35 |
| | (2.49) | (1.71) | (1.13) | (0.62) |
| Other Ethnic | -3199.28 | -5431.04 | -7.87 | 1.05 |
| | (2.04) | (1.03) | (3.03) | (0.28) |
| Years of Schooling | 1.76 | 473.15 | 0.07 | 0.09 |
| | (0.02) | (1.56) | (0.38) | (0.34) |
| Attending School Now | -2967.54 | -3547.99 | -9.15 | -2.81 |
| | (3.85) | (1.46) | (7.17) | (1.53) |
| Experience | 398.77 | 1033.54 | -0.04 | 0.25 |
| | (5.13) | (4.65) | (0.31) | (1.35) |
| Experience Squared | -6.99 | -18.78 | -0.00 | -0.00 |
| | (3.87) | (3.42) | (0.00) | (0.00) |
| Non US Citizen | 5146.74 | 5822.65 | 4.15 | -2.67 |
| | (3.84) | (2.06) | (1.87) | (0.84) |
| Poor English Skills | -3851.87 | -2352.23 | 3.82 | -2.99 |
| | (1.39) | (0.41) | (0.83) | (0.45) |

| | | | | |
|---|---|---|---|---|
| Self-Employed | -150.73 | 131.59 | -2.96 | 0.93 |
| | (0.18) | (0.06) | (2.10) | (0.46) |
| Federal Employee | 5603.94 | 4572.82 | 8.80 | -2.33 |
| | (1.19) | (0.65) | (1.13) | (0.21) |
| State or Local Govt. | -1477.11 | -2590.20 | -4.43 | 8.73 |
| | (0.69) | (0.37) | (1.25) | (1.71) |
| Disabled | -2222.57 | -2425.22 | 1.49 | -3.39 |
| | (1.79) | (0.79) | (0.72) | (1.15) |
| Northeast | -2306.31 | -2062.97 | -1.90 | -0.91 |
| | (1.60) | (0.45) | (0.80) | (0.27) |
| East North Central | -1885.17 | -3051.78 | 1.09 | 2.08 |
| | (2.03) | (1.31) | (0.71) | (0.94) |
| West North Central | -867.30 | 2157.98 | 0.40 | -0.73 |
| | (0.59) | (0.49) | (0.17) | (0.21) |
| South Atlantic | -1019.92 | -2217.30 | -0.14 | -2.96 |
| | (1.17) | (1.10) | (0.10) | (1.43) |
| East South Central | -2427.72 | -1508.02 | 3.64 | -4.83 |
| | (1.62) | (0.44) | (1.47) | (1.36) |
| West South Central | -2078.53 | -4748.12 | -0.64 | -0.88 |
| | (1.88) | (1.93) | (0.35) | (0.33) |
| Mountain | 2010.98 | 855.68 | -0.55 | 1.14 |
| | (1.89) | (0.33) | (0.31) | (0.45) |
| Pacific Coast | -401.84 | 3183.81 | -3.52 | -0.14 |
| | (0.51) | (1.42) | (2.69) | (0.07) |
| Non-Urban Area | -686.92 | -829.40 | -4.70 | 1.46 |
| | (0.63) | (0.29) | (2.59) | (0.56) |
| Adjusted R Square | .12 | .29 | .10 | 0.00 |

## Table 41

## Determinants of 1979 Earnings, Hours Worked and Wages
Estimated Coefficients
(T-Statistics)

Designers

| | Earnings | Earnings (full-time) | Weekly Hours | Hourly Wage |
|---|---|---|---|---|
| Intercept | 2879.01<br>(5.70) | 583.77<br>(0.83) | 39.43<br>(74.83) | -1.52<br>(0.92) |
| Other HH Earnings | -30.80<br>(8.47) | 12.03<br>(2.01) | -0.08<br>(21.10) | 0.02<br>(1.67) |
| Female | -8677.17<br>(59.70) | -7137.19<br>(35.36) | -6.37<br>(42.01) | -2.04<br>(4.27) |
| Black | -1632.02<br>(4.13) | -2200.20<br>(4.00) | -0.37<br>(0.90) | -0.32<br>(0.25) |
| Hispanic | -788.52<br>(2.11) | -1690.85<br>(3.35) | 0.18<br>(0.46) | -1.19<br>(0.97) |
| Asian | -600.34<br>(1.21) | -1571.29<br>(2.44) | -0.13<br>(0.25) | -2.79<br>(1.71) |
| Other Ethnic | -3002.30<br>(2.86) | -2443.16<br>(1.62) | -1.47<br>(1.34) | -2.94<br>(0.85) |
| Years of Schooling | 852.29<br>(28.90) | 1060.54<br>(26.31) | 0.18<br>(5.85) | 0.59<br>(6.09) |
| Attending School Now | -2289.24<br>(9.71) | -562.05<br>(1.43) | -4.31<br>(17.52) | 1.29<br>(1.66) |
| Experience | 589.67<br>(37.12) | 667.01<br>(26.98) | 0.17<br>(10.26) | 0.21<br>(4.02) |
| Experience Squared | -9.57<br>(30.39) | -10.44<br>(20.27) | -0.00<br>(0.00) | -0.00<br>(0.00) |
| Non US Citizen | -742.55<br>(1.92) | -41.78<br>(0.08) | 0.16<br>(0.40) | 6.71<br>(5.28) |
| Poor English Skills | -1693.27<br>(2.30) | -1329.99<br>(1.27) | -0.24<br>(0.31) | -2.34<br>(0.97) |

| | | | | |
|---|---|---|---|---|
| Self-Employed | -1180.51 | -1023.46 | 1.20 | -0.01 |
| | (6.67) | (4.17) | (6.50) | (0.02) |
| Federal Employee | 1203.16 | 2066.33 | 0.27 | -0.14 |
| | (1.67) | (2.27) | (0.36) | (0.06) |
| State or Local Govt. | -2024.96 | -2671.73 | -1.23 | -0.87 |
| | (4.21) | (4.12) | (2.45) | (0.55) |
| Disabled | -2709.75 | -1855.55 | -1.09 | 0.10 |
| | (8.00) | (3.56) | (3.08) | (0.09) |
| Northeast | -1808.24 | -1887.15 | -0.31 | 3.21 |
| | (5.77) | (4.55) | (0.95) | (3.12) |
| East North Central | -1086.63 | -812.93 | 0.08 | -0.45 |
| | (4.92) | (2.78) | (0.35) | (0.62) |
| West North Central | -2981.41 | -3590.70 | -0.46 | -1.12 |
| | (9.19) | (7.92) | (1.36) | (1.05) |
| South Atlantic | -2429.24 | -2974.13 | 0.52 | -1.03 |
| | (10.34) | (9.46) | (2.12) | (1.33) |
| East South Central | -2600.14 | -3431.96 | 0.70 | -1.40 |
| | (7.13) | (6.96) | (1.84) | (1.17) |
| West South Central | -2383.34 | -2997.73 | 0.51 | -0.66 |
| | (8.73) | (8.02) | (1.79) | (0.74) |
| Mountain | -2398.34 | -3434.12 | -0.49 | -0.68 |
| | (6.83) | (6.92) | (1.34) | (0.59) |
| Pacific Coast | -1504.41 | -1496.21 | -0.65 | 0.29 |
| | (6.84) | (4.99) | (2.83) | (0.40) |
| Non-Urban Area | -2161.48 | -2527.78 | -0.81 | -1.08 |
| | (10.53) | (8.48) | (3.78) | (1.60) |
| Adjusted R Square | .27 | .21 | .14 | .01 |

## Table 42

## Determinants of 1979 Earnings, Hours Worked and Wages
Estimated Coefficients
(T-Statistics)

### Designers
(With Industry Restrictions)

| | Earnings | Earnings (full-time) | Weekly Hours | Hourly Wage |
|---|---|---|---|---|
| Intercept | 426.44 | -1474.25 | 36.03 | 4.06 |
| | (0.25) | (0.66) | (26.37) | (2.10) |
| Other HH Earnings | -20.09 | 19.37 | -0.03 | 0.02 |
| | (1.71) | (1.08) | (3.13) | (1.47) |
| Female | -6261.43 | -5722.37 | -2.88 | -2.13 |
| | (13.98) | (9.41) | (7.88) | (4.11) |
| Black | -2923.57 | -2727.73 | -1.79 | 1.60 |
| | (2.44) | (1.56) | (1.83) | (1.16) |
| Hispanic | -3140.88 | -4432.47 | -0.73 | -0.25 |
| | (2.97) | (3.16) | (0.84) | (0.20) |
| Asian | -1937.92 | -3940.56 | -3.65 | 0.58 |
| | (1.44) | (2.26) | (3.32) | (0.37) |
| Other Ethnic | -1587.81 | -366.56 | -1.84 | -2.35 |
| | (0.49) | (0.08) | (0.70) | (0.63) |
| Years of Schooling | 948.62 | 1178.64 | 0.32 | 0.25 |
| | (9.75) | (9.05) | (4.03) | (2.22) |
| Attending School Now | -2779.91 | -796.83 | -4.24 | -1.58 |
| | (3.78) | (0.65) | (7.06) | (1.86) |
| Experience | 895.23 | 905.81 | 0.20 | 0.36 |
| | (16.19) | (11.60) | (4.43) | (5.63) |
| Experience Squared | -12.90 | -12.35 | -0.00 | -0.00 |
| | (10.92) | (7.35) | (0.00) | (0.00) |
| Non US Citizen | -1856.94 | -1248.27 | 0.11 | -0.76 |
| | (1.74) | (0.86) | (0.13) | (0.62) |
| Poor English Skills | -1553.45 | 212.33 | 1.18 | -3.61 |
| | (0.65) | (0.07) | (0.61) | (1.31) |

| | | | | |
|---|---|---|---|---|
| Self-Employed | -1524.41 | -782.73 | 0.71 | 0.41 |
| | (2.60) | (0.99) | (1.49) | (0.61) |
| Federal Employee | -4215.99 | -4904.88 | -0.54 | -3.20 |
| | (1.42) | (1.24) | (0.22) | (0.93) |
| State or Local Govt. | -3502.01 | -5503.05 | -3.40 | -2.06 |
| | (3.46) | (3.66) | (4.12) | (1.76) |
| Disabled | -4086.46 | -1641.55 | 0.37 | -0.35 |
| | (3.20) | (0.88) | (0.35) | (0.24) |
| Northeast | -2479.85 | -1978.61 | -0.95 | -1.27 |
| | (2.58) | (1.56) | (1.21) | (1.14) |
| East North Central | -2851.74 | -3372.53 | -0.17 | -1.58 |
| | (4.10) | (3.79) | (0.30) | (1.97) |
| West North Central | -4474.30 | -5150.97 | -0.31 | 0.66 |
| | (4.09) | (3.62) | (0.35) | (0.52) |
| South Atlantic | -4657.74 | -5597.52 | 0.28 | -2.86 |
| | (6.29) | (5.78) | (0.46) | (3.34) |
| East South Central | -3386.13 | -4451.04 | 1.38 | -3.07 |
| | (2.19) | (2.31) | (1.10) | (1.72) |
| West South Central | -4163.88 | -4944.17 | -0.76 | -2.34 |
| | (4.07) | (3.69) | (0.91) | (1.98) |
| Mountain | -5250.70 | -5961.08 | 0.24 | -2.43 |
| | (3.60) | (2.89) | (0.20) | (1.44) |
| Pacific Coast | -1971.96 | -1935.35 | 1.05 | 0.11 |
| | (3.20) | (2.28) | (2.09) | (0.15) |
| Non-Urban Area | -2855.83 | -3073.71 | -0.39 | 0.48 |
| | (3.38) | (2.61) | (0.57) | (0.49) |
| Adjusted R Square | .23 | .19 | .07 | .04 |

Table 43

Determinants of 1979 Earnings, Hours Worked and Wages
Estimated Coefficients
(T-Statistics)

Musicians

| | Earnings | Earnings (full-time) | Weekly Hours | Hourly Wage |
|---|---|---|---|---|
| Intercept | 667.04 | -488.99 | 26.41 | -1.14 |
| | (0.87) | (0.22) | (27.99) | (0.16) |
| Other HH Earnings | -20.93 | 60.72 | -0.07 | 0.13 |
| | (3.07) | (2.90) | (8.32) | (2.09) |
| Female | -5369.64 | -6020.16 | -8.42 | -0.42 |
| | (20.01) | (6.42) | (25.46) | (0.17) |
| Black | 792.79 | 4266.94 | 1.26 | 9.67 |
| | (1.64) | (3.04) | (2.11) | (2.19) |
| Hispanic | -1793.31 | -4236.35 | -0.77 | -1.45 |
| | (2.83) | (2.13) | (0.99) | (0.25) |
| Asian | 216.32 | 1037.03 | 0.44 | -3.05 |
| | (0.20) | (0.33) | (0.33) | (0.31) |
| Other Ethnic | -1956.83 | -5241.24 | 0.10 | -2.79 |
| | (1.56) | (1.55) | (0.06) | (0.24) |
| Years of Schooling | 507.86 | 707.00 | 0.32 | 0.57 |
| | (11.57) | (5.69) | (5.91) | (1.43) |
| Attending School Now | -2675.92 | -2467.75 | -5.66 | -1.72 |
| | (7.70) | (1.83) | (13.21) | (0.54) |
| Experience | 510.98 | 757.56 | 0.12 | 0.33 |
| | (18.14) | (8.34) | (3.46) | (1.29) |
| Experience Squared | -8.38 | -10.56 | -0.01 | -0.00 |
| | (15.71) | (5.56) | (15.21) | (0.00) |
| Non US Citizen | 1628.43 | 1457.99 | 2.79 | 1.91 |
| | (2.30) | (0.76) | (3.20) | (0.30) |
| Poor English Skills | -1782.62 | -1481.98 | 0.75 | -3.24 |
| | (1.51) | (0.47) | (0.52) | (0.30) |

| | | | | |
|---|---|---|---|---|
| Self-Employed | -184.68<br>(0.73) | -712.96<br>(0.99) | 1.60<br>(5.14) | 0.78<br>(0.34) |
| Federal Employee | -382.26<br>(0.26) | -1117.62<br>(0.30) | 1.58<br>(0.89) | -3.67<br>(0.28) |
| State or Local Govt. | -396.25<br>(0.51) | 114.18<br>(0.04) | 2.97<br>(3.09) | -5.99<br>(0.85) |
| Disabled | -3567.01<br>(7.40) | -5586.64<br>(3.28) | -2.00<br>(3.37) | -2.39<br>(0.54) |
| Northeast | -2618.20<br>(4.69) | -4442.41<br>(2.53) | -0.11<br>(0.16) | -2.94<br>(0.58) |
| East North Central | -1495.78<br>(3.71) | -1735.59<br>(1.40) | 0.17<br>(0.34) | -1.74<br>(0.47) |
| West North Central | -1230.64<br>(2.26) | -754.42<br>(0.44) | 0.05<br>(0.07) | -1.72<br>(0.35) |
| South Atlantic | -1316.93<br>(3.26) | -3321.68<br>(2.80) | 0.91<br>(1.83) | -2.85<br>(0.78) |
| East South Central | 303.31<br>(0.53) | -412.86<br>(0.27) | 3.48<br>(4.93) | -2.20<br>(0.42) |
| West South Central | -218.42<br>(0.45) | 33.55<br>(0.02) | 1.59<br>(2.65) | -3.37<br>(0.76) |
| Mountain | 113.29<br>(0.20) | 60.24<br>(0.04) | 1.47<br>(2.08) | -1.28<br>(0.25) |
| Pacific Coast | 482.59<br>(1.31) | 1849.77<br>(1.63) | 0.35<br>(0.77) | 7.56<br>(2.25) |
| Non-Urban Area | -1032.00<br>(2.82) | -1122.68<br>(1.02) | 0.19<br>(0.42) | -2.50<br>(0.75) |
| Adjusted R Square | .11 | .09 | .14 | .00 |

## Table 44

## Determinants of 1979 Earnings, Hours Worked and Wages
Estimated Coefficients
(T-Statistics)

Musicians
(With Industry Restrictions)

| | Earnings | Earnings (full-time) | Weekly Hours | Hourly Wage |
|---|---|---|---|---|
| Intercept | -2992.39 | -3786.39 | 25.39 | -8.98 |
| | (2.91) | (1.28) | (22.97) | (0.90) |
| Other HH Earnings | -0.95 | 81.42 | -0.04 | 0.22 |
| | (0.10) | (2.93) | (3.99) | (2.44) |
| Female | -3808.44 | -4469.72 | -4.19 | 3.20 |
| | (9.69) | (3.40) | (9.91) | (0.84) |
| Black | 998.09 | 4893.73 | 1.38 | 9.78 |
| | (1.64) | (2.91) | (2.10) | (1.66) |
| Hispanic | -2021.29 | -5555.23 | -1.71 | -2.08 |
| | (2.64) | (2.30) | (2.07) | (0.28) |
| Asian | -262.10 | 297.12 | -0.74 | -5.43 |
| | (0.19) | (0.08) | (0.51) | (0.41) |
| Other Ethnic | -2697.97 | -5715.93 | -0.15 | -6.92 |
| | (1.80) | (1.43) | (0.09) | (0.48) |
| Years of Schooling | 696.96 | 853.53 | 0.31 | 1.03 |
| | (11.76) | (5.16) | (4.86) | (1.79) |
| Attending School Now | -2619.40 | -1665.97 | -5.03 | -2.74 |
| | (5.47) | (0.82) | (9.77) | (0.59) |
| Experience | 723.85 | 1006.62 | 0.27 | 0.54 |
| | (18.16) | (8.00) | (6.30) | (1.40) |
| Experience Squared | -11.29 | -13.55 | -0.01 | -0.00 |
| | (14.39) | (5.03) | (11.85) | (0.00) |
| Non US Citizen | 1219.05 | 1507.56 | 2.80 | 0.62 |
| | (1.43) | (0.68) | (3.06) | (0.08) |
| Poor English Skills | -2113.47 | -1758.37 | 0.22 | -2.49 |
| | (1.45) | (0.47) | (0.14) | (0.18) |

| | | | | |
|---|---|---|---|---|
| Self-Employed | -1164.70<br>(3.71) | -2396.45<br>(2.66) | 0.65<br>(1.92) | -1.50<br>(0.49) |
| Federal Employee | 1739.47<br>(0.46) | 1655.79<br>(0.20) | 6.65<br>(1.65) | -5.17<br>(0.14) |
| State or Local Govt. | -395.80<br>(0.23) | -2525.95<br>(0.34) | 3.30<br>(1.80) | -9.28<br>(0.56) |
| Disabled | -4524.41<br>(7.14) | -6122.28<br>(2.83) | -2.26<br>(3.31) | -3.54<br>(0.58) |
| Northeast | -2840.14<br>(3.89) | -3624.66<br>(1.64) | -0.41<br>(0.52) | -2.74<br>(0.39) |
| East North Central | -1550.81<br>(2.86) | -2275.66<br>(1.43) | -0.09<br>(0.15) | -1.47<br>(0.28) |
| West North Central | -1437.09<br>(1.93) | -1173.65<br>(0.53) | -0.01<br>(0.01) | -1.50<br>(0.21) |
| South Atlantic | -1408.70<br>(2.57) | -3681.29<br>(2.36) | 1.53<br>(2.59) | -3.73<br>(0.70) |
| East South Central | 402.41<br>(0.51) | -533.92<br>(0.26) | 3.97<br>(4.63) | -1.79<br>(0.23) |
| West South Central | -558.98<br>(0.84) | 1681.44<br>(0.89) | 0.23<br>(0.32) | -3.81<br>(0.59) |
| Mountain | -26.91<br>(0.04) | -587.37<br>(0.29) | 1.27<br>(1.62) | -2.54<br>(0.36) |
| Pacific Coast | 183.31<br>(0.39) | 1695.84<br>(1.22) | 0.02<br>(0.04) | 8.73<br>(1.93) |
| Non-Urban Area | -1276.09<br>(2.41) | -1168.43<br>(0.76) | 0.39<br>(0.69) | -2.89<br>(0.56) |
| Adjusted R. Square | .11 | .10 | .06 | .002 |

## Table 45

## Determinants of 1979 Earnings, Hours Worked and Wages
Estimated Coefficients
(T-Statistics)

Painters

| | Earnings | Earnings (full-time) | Weekly Hours | Hourly Wage |
|---|---|---|---|---|
| Intercept | 8237.00 | 8431.01 | 41.35 | 3.79 |
| | (11.88) | (7.76) | (48.77) | (2.55) |
| Other HH Earnings | -32.92 | -20.06 | -0.07 | -0.01 |
| | (6.44) | (2.09) | (11.20) | (0.91) |
| Female | -6152.16 | -5598.02 | -5.82 | -2.29 |
| | (30.56) | (17.70) | (23.65) | (5.31) |
| Black | -1927.51 | -1439.88 | -3.10 | 0.74 |
| | (3.43) | (1.70) | (4.52) | (0.62) |
| Hispanic | -1116.85 | -862.72 | -0.48 | 0.25 |
| | (2.09) | (1.05) | (0.74) | (0.22) |
| Asian | 212.86 | -959.47 | -0.22 | 10.27 |
| | (0.30) | (0.93) | (0.25) | (6.79) |
| Other Ethnic | 205.47 | 727.34 | -0.50 | 0.55 |
| | (0.21) | (0.49) | (0.42) | (0.26) |
| Years of Schooling | 221.38 | 288.93 | 0.02 | 0.20 |
| | (5.32) | (4.48) | (0.39) | (2.24) |
| Attending School Now | -2237.45 | -1045.08 | -4.26 | 1.27 |
| | (6.99) | (1.74) | (10.88) | (1.85) |
| Experience | 545.65 | 598.72 | 0.20 | 0.18 |
| | (24.63) | (15.97) | (7.39) | (3.80) |
| Experience Squared | -9.24 | -9.52 | -0.01 | -0.00 |
| | (21.38) | (12.42) | (18.93) | (0.00) |
| Non US Citizen | 89.96 | 1338.57 | 0.03 | -2.00 |
| | (0.16) | (1.53) | (0.04) | (1.67) |
| Poor English Skills | -4211.54 | -4942.40 | 1.25 | -1.07 |
| | (3.48) | (2.44) | (0.85) | (0.41) |

| | | | | |
|---|---|---|---|---|
| Self-Employed | -2463.23 | -1250.52 | -1.93 | 1.24 |
| | (11.45) | (3.76) | (7.34) | (2.69) |
| Federal Employee | 3272.50 | 2477.46 | 0.60 | 0.95 |
| | (4.86) | (2.80) | (0.73) | (0.66) |
| State or Local Govt. | -825.46 | -988.35 | -1.49 | -0.63 |
| | (1.79) | (1.41) | (2.65) | (0.64) |
| Disabled | -3886.07 | -3052.35 | -2.54 | -2.49 |
| | (9.44) | (3.97) | (5.05) | (2.83) |
| Northeast | -341.85 | 194.69 | -0.29 | -0.73 |
| | (0.81) | (0.30) | (0.56) | (0.81) |
| East North Central | 59.44 | 343.26 | -0.64 | 0.07 |
| | (0.18) | (0.71) | (1.60) | (0.10) |
| West North Central | -542.68 | -310.39 | 0.02 | -1.41 |
| | (1.20) | (0.46) | (0.04) | (1.45) |
| South Atlantic | -1347.90 | -1123.31 | -1.17 | -0.89 |
| | (4.02) | (2.16) | (2.85) | (1.24) |
| East South Central | -965.69 | 71.04 | -0.92 | -1.23 |
| | (1.67) | (0.08) | (1.30) | (1.00) |
| West South Central | -788.45 | -1087.63 | 0.71 | -0.74 |
| | (1.97) | (1.79) | (1.45) | (0.86) |
| Mountain | -1254.76 | -1655.34 | -0.54 | -1.38 |
| | (2.78) | (2.35) | (0.98) | (1.43) |
| Pacific Coast | -671.67 | -595.71 | -0.88 | -0.71 |
| | (2.27) | (1.29) | (2.43) | (1.12) |
| Non-Urban Area | -2177.80 | -3746.39 | 0.33 | -1.59 |
| | (7.21) | (7.84) | (0.89) | (2.46) |
| Adjusted R Square | .18 | .14 | .11 | .01 |

## Table 46

## Determinants of 1979 Earnings, Hours Worked and Wages
Estimated Coefficients
(T-Statistics)

### Painters
(With Industry Restrictions)

| | Earnings | Earnings (full-time) | Weekly Hours | Hourly Wage |
|---|---|---|---|---|
| Intercept | 9717.06 | 10130.00 | 41.58 | 3.88 |
| | (10.99) | (6.89) | (38.82) | (1.92) |
| Other HH Earnings | -35.51 | -27.93 | -0.07 | -0.01 |
| | (5.75) | (2.24) | (9.35) | (0.71) |
| Female | -6461.97 | -5918.29 | -6.93 | -2.15 |
| | (25.22) | (13.61) | (22.33) | (3.68) |
| Black | -2378.11 | -1750.80 | -3.53 | 0.52 |
| | (3.04) | (1.38) | (3.73) | (0.29) |
| Hispanic | -637.99 | -31.61 | -0.05 | 0.62 |
| | (0.92) | (0.03) | (0.06) | (0.39) |
| Asian | 793.40 | -602.87 | 0.19 | 15.22 |
| | (0.86) | (0.42) | (0.17) | (7.22) |
| Other Ethnic | -1011.50 | 1381.89 | -2.22 | 0.63 |
| | (0.79) | (0.61) | (1.44) | (0.22) |
| Years of Schooling | 143.04 | 184.23 | 0.05 | 0.18 |
| | (2.70) | (2.11) | (0.78) | (1.49) |
| Attending School Now | -2079.32 | -1193.03 | -3.69 | 1.45 |
| | (4.92) | (1.38) | (7.21) | (1.50) |
| Experience | 526.95 | 622.16 | 0.18 | 0.19 |
| | (18.67) | (12.29) | (5.27) | (2.95) |
| Experience Squared | -9.04 | -9.88 | -0.01 | -0.00 |
| | (16.84) | (9.81) | (15.38) | (0.00) |
| Non US Citizen | 126.71 | 1695.35 | -0.36 | -2.70 |
| | (0.19) | (1.45) | (0.43) | (1.73) |
| Poor English Skills | -4121.45 | -5596.73 | 2.15 | -0.43 |
| | (2.67) | (2.10) | (1.15) | (0.12) |

| | | | | |
|---|---|---|---|---|
| Self-Employed | -2067.76 | -1197.39 | -1.87 | 1.31 |
| | (7.53) | (2.71) | (5.62) | (2.09) |
| Federal Employee | 4288.08 | 4252.76 | 5.06 | 0.36 |
| | (1.94) | (1.40) | (1.89) | (0.07) |
| State or Local Govt. | -480.22 | -32.26 | -2.63 | -0.83 |
| | (0.67) | (0.03) | (3.02) | (0.51) |
| Disabled | -3969.55 | -3753.47 | -2.47 | -2.71 |
| | (7.82) | (3.64) | (4.02) | (2.34) |
| Northeast | -279.58 | 421.82 | -0.42 | -0.97 |
| | (0.54) | (0.51) | (0.67) | (0.82) |
| East North Central | -426.59 | -211.59 | -0.91 | -0.20 |
| | (1.02) | (0.32) | (1.80) | (0.21) |
| West North Central | -850.89 | -292.88 | 0.05 | -1.74 |
| | (1.48) | (0.32) | (0.07) | (1.33) |
| South Atlantic | -2218.16 | -2057.71 | -1.53 | -1.20 |
| | (5.19) | (2.86) | (2.96) | (1.23) |
| East South Central | -1170.23 | 18.21 | -0.93 | -1.15 |
| | (1.54) | (0.01) | (1.01) | (0.67) |
| West South Central | -1380.81 | -1738.16 | 0.73 | -0.51 |
| | (2.69) | (2.04) | (1.17) | (0.44) |
| Mountain | -1715.53 | -2535.84 | -0.30 | -1.94 |
| | (3.04) | (2.70) | (0.44) | (1.51) |
| Pacific Coast | -783.15 | -830.46 | -0.99 | -0.56 |
| | (2.12) | (1.36) | (2.21) | (0.66) |
| Non-Urban Area | -2156.08 | -4092.33 | 0.80 | -1.53 |
| | (5.63) | (6.35) | (1.73) | (1.75) |
| Adjusted R Square | .15 | .12 | .11 | .01 |

Table 47

Determinants of 1979 Earnings, Hours Worked and Wages
Estimated Coefficients
(T-Statistics)

Photographers

| | Earnings | Earnings (full-time) | Weekly Hours | Hourly Wage |
|---|---|---|---|---|
| Intercept | 5563.05 | 6947.70 | 37.64 | -4.95 |
| | (5.57) | (4.65) | (34.65) | (1.56) |
| Other HH Earnings | -31.82 | -26.52 | -0.08 | 0.03 |
| | (3.70) | (1.71) | (8.56) | (1.10) |
| Female | -6007.20 | -5393.49 | -5.49 | -1.01 |
| | (18.96) | (10.57) | (15.93) | (1.00) |
| Black | -2211.13 | -3226.43 | -1.79 | -1.69 |
| | (3.59) | (3.67) | (2.67) | (0.86) |
| Hispanic | -249.20 | -590.73 | -0.61 | -1.66 |
| | (0.32) | (0.54) | (0.73) | (0.68) |
| Asian | -1205.27 | -2641.37 | -0.80 | 1.94 |
| | (1.08) | (1.74) | (0.66) | (0.54) |
| Other Ethnic | -1614.78 | -2638.93 | 0.12 | -1.41 |
| | (0.94) | (1.12) | (0.06) | (0.26) |
| Years of Schooling | 337.92 | 422.64 | 0.14 | 0.78 |
| | (5.62) | (4.76) | (2.14) | (4.07) |
| Attending School Now | -3452.76 | -1623.92 | -7.54 | -0.40 |
| | (8.21) | (2.01) | (16.49) | (0.30) |
| Experience | 669.50 | 614.55 | 0.36 | 0.34 |
| | (20.29) | (12.03) | (10.03) | (3.23) |
| Experience Squared | -11.25 | -9.57 | -0.01 | -0.00 |
| | (17.15) | (9.19) | (14.02) | (0.00) |
| Non US Citizen | -762.67 | -222.84 | 1.20 | -3.39 |
| | (0.80) | (0.17) | (1.16) | (1.12) |
| Poor English Skills | -3559.23 | -5403.53 | 0.69 | 0.77 |
| | (2.24) | (2.13) | (0.40) | (0.15) |

| | | | | |
|---|---|---|---|---|
| Self-Employed | -2246.81 | -2553.48 | 0.91 | -1.16 |
| | (7.22) | (5.94) | (2.69) | (1.17) |
| Federal Employee | 1102.13 | 159.41 | 0.03 | 4.19 |
| | (1.47) | (0.17) | (0.04) | (1.76) |
| State or Local Govt. | -1678.86 | -2698.87 | -1.95 | -1.19 |
| | (2.91) | (3.19) | (3.11) | (0.65) |
| Disabled | -3688.21 | -2012.18 | -2.79 | 0.05 |
| | (6.40) | (2.19) | (4.45) | (0.03) |
| Northeast | -1450.56 | -2095.42 | 0.22 | 0.08 |
| | (2.24) | (2.31) | (0.31) | (0.04) |
| East North Central | 61.54 | -449.12 | 1.19 | -1.65 |
| | (0.13) | (0.70) | (2.37) | (1.12) |
| West North Central | -333.82 | -1400.26 | 0.60 | -1.01 |
| | (0.54) | (1.67) | (0.90) | (0.51) |
| South Atlantic | -570.54 | -890.12 | 1.28 | -2.07 |
| | (1.22) | (1.37) | (2.51) | (1.38) |
| East South Central | -1094.37 | -2416.18 | 1.68 | -2.00 |
| | (1.57) | (2.54) | (2.21) | (0.90) |
| West South Central | -223.86 | -968.56 | 2.03 | 4.73 |
| | (0.40) | (1.24) | (3.37) | (2.68) |
| Mountain | -2068.87 | -3092.77 | -0.01 | -1.98 |
| | (3.24) | (3.39) | (0.01) | (0.97) |
| Pacific Coast | 649.27 | 1019.69 | 0.49 | 0.51 |
| | (1.44) | (1.57) | (1.00) | (0.35) |
| Non-Urban Area | -1834.81 | -1792.01 | 0.74 | -1.23 |
| | (4.44) | (3.00) | (1.65) | (0.93) |
| Adjusted R Square | .18 | .10 | .14 | .01 |

## Table 48

## Determinants of 1979 Earnings, Hours Worked and Wages
Estimated Coefficients
(T-Statistics)

Photographers
(With Industry Restrictions)

| | Earnings | Earnings (full-time) | Weekly Hours | Hourly Wage |
|---|---|---|---|---|
| Intercept | 6289.66 | 8273.81 | 37.41 | -1.42 |
| | (5.38) | (4.62) | (30.20) | (0.49) |
| Other HH Earnings | -32.88 | -25.76 | -0.08 | 0.06 |
| | (3.25) | (1.37) | (7.47) | (2.41) |
| Female | -6051.89 | -5524.89 | -5.65 | -1.31 |
| | (16.13) | (8.88) | (14.21) | (1.42) |
| Black | -2172.22 | -3366.78 | -1.93 | -1.52 |
| | (2.87) | (3.03) | (2.41) | (0.82) |
| Hispanic | -507.83 | -996.48 | -0.35 | -1.54 |
| | (0.55) | (0.71) | (0.36) | (0.68) |
| Asian | -1791.62 | -3445.39 | -1.38 | 2.98 |
| | (1.36) | (1.83) | (0.99) | (0.92) |
| Other Ethnic | -2237.41 | -2739.51 | -0.96 | -0.85 |
| | (1.04) | (0.85) | (0.42) | (0.16) |
| Years of Schooling | 307.41 | 361.78 | 0.15 | 0.56 |
| | (4.39) | (3.41) | (2.02) | (3.25) |
| Attending School Now | -3668.55 | -2236.55 | -8.11 | -0.46 |
| | (7.23) | (2.15) | (15.09) | (0.37) |
| Experience | 646.50 | 611.68 | 0.37 | 0.32 |
| | (16.46) | (9.84) | (8.89) | (3.31) |
| Experience Squared | -10.92 | -9.65 | -0.01 | -0.00 |
| | (14.11) | (7.61) | (12.19) | (0.00) |
| Non US Citizen | -954.74 | -260.73 | 1.19 | -4.13 |
| | (0.86) | (0.16) | (1.01) | (1.51) |
| Poor English Skills | -3484.28 | -6172.20 | 1.02 | 1.23 |
| | (1.91) | (2.10) | (0.53) | (0.27) |

| | | | | |
|---|---|---|---|---|
| Self-Employed | -2179.07 | -2806.11 | 0.79 | -0.08 |
| | (6.09) | (5.56) | (2.08) | (0.09) |
| Federal Employee | -451.62 | -1773.86 | 1.49 | -0.55 |
| | (0.22) | (0.65) | (0.69) | (0.11) |
| State or Local Govt. | -2064.36 | -2953.28 | -2.76 | -0.16 |
| | (2.54) | (2.19) | (3.21) | (0.08) |
| Disabled | -4090.49 | -2623.93 | -3.29 | 1.42 |
| | (5.91) | (2.25) | (4.49) | (0.83) |
| Northeast | -1398.99 | -1859.72 | 0.92 | -2.57 |
| | (1.79) | (1.64) | (1.11) | (1.34) |
| East North Central | -274.62 | -1057.82 | 1.54 | -2.32 |
| | (0.50) | (1.35) | (2.64) | (1.71) |
| West North Central | -356.93 | -1578.78 | 1.06 | -2.11 |
| | (0.49) | (1.54) | (1.37) | (1.17) |
| South Atlantic | -809.48 | -1250.80 | 1.63 | -2.49 |
| | (1.45) | (1.57) | (2.75) | (1.81) |
| East South Central | -840.45 | -2425.79 | 2.36 | -2.76 |
| | (1.02) | (2.14) | (2.72) | (1.37) |
| West South Central | -283.46 | -1157.14 | 2.68 | 0.51 |
| | (0.44) | (1.23) | (3.89) | (0.32) |
| Mountain | -2178.57 | -3413.32 | 0.61 | -2.45 |
| | (2.91) | (3.10) | (0.77) | (1.33) |
| Pacific Coast | 678.89 | 1215.18 | 0.73 | 0.41 |
| | (1.28) | (1.53) | (1.30) | (0.31) |
| Non-Urban Area | -1769.74 | -1733.06 | 0.72 | -0.52 |
| | (3.71) | (2.47) | (1.42) | (0.44) |
| Adjusted R Square | .16 | .09 | .15 | .01 |

### Table 49
### Determinants of 1979 Earnings, Hours Worked and Wages
### Estimated Coefficients
### (T-Statistics)

Post-Secondary Teachers

| | Earnings | Earnings (full-time) | Weekly Hours | Hourly Wage |
|---|---|---|---|---|
| Intercept | -2543.66<br>(1.93) | 1569.87<br>(0.67) | 15.58<br>(6.01) | 2.30<br>(0.78) |
| Other HH Earnings | -45.26<br>(4.16) | -8.89<br>(0.43) | -0.11<br>(5.13) | -0.03<br>(1.23) |
| Female | -5797.85<br>(17.56) | -5040.61<br>(8.16) | -7.23<br>(11.11) | -0.63<br>(0.85) |
| Black | 2198.75<br>(2.99) | 1901.30<br>(1.44) | 0.93<br>(0.64) | 1.84<br>(1.11) |
| Hispanic | 1827.93<br>(1.58) | 7798.22<br>(3.00) | -0.00<br>(0.00) | 0.21<br>(0.08) |
| Asian | -3349.68<br>(2.18) | -4839.88<br>(1.25) | -1.23<br>(0.41) | -2.49<br>(0.72) |
| Other Ethnic | 1576.81<br>(0.65) | -1403.46<br>(0.33) | -6.06<br>(1.27) | 7.56<br>(1.39) |
| Years of Schooling | 714.70<br>(10.62) | 606.35<br>(5.07) | 1.03<br>(7.77) | 0.27<br>(1.79) |
| Attending School Now | -3502.00<br>(8.08) | -2188.14<br>(2.44) | -4.05<br>(4.74) | -0.23<br>(0.24) |
| Experience | 694.80<br>(16.59) | 641.86<br>(7.74) | 0.44<br>(5.33) | 0.48<br>(5.10) |
| Experience Squared | -11.15<br>(12.33) | -8.26<br>(4.45) | -0.01<br>(5.61) | -0.01<br>(4.92) |
| Non US Citizen | -2505.31<br>(2.26) | -2174.92<br>(0.89) | -3.59<br>(1.64) | -2.80<br>(1.12) |
| Poor English Skills | -426.80<br>(0.16) | -7858.76<br>(1.38) | 0.18<br>(0.03) | 0.48<br>(0.08) |

| | | | | |
|---|---|---|---|---|
| Federal Employee | 2529.53 | 4789.40 | 2.56 | 0.63 |
| | (1.67) | (1.86) | (0.86) | (0.19) |
| State or Local Govt. | 2281.61 | 3066.33 | 1.69 | 0.87 |
| | (6.82) | (5.18) | (2.56) | (1.16) |
| Disabled | -3203.07 | -1444.05 | -1.73 | -0.04 |
| | (3.99) | (0.95) | (1.09) | (0.02) |
| Northeast | -276.09 | -678.79 | 1.61 | -1.40 |
| | (0.39) | (0.55) | (1.16) | (0.89) |
| East North Central | -436.36 | -1232.47 | 1.19 | 0.18 |
| | (0.80) | (1.27) | (1.10) | (0.15) |
| West North Central | -1280.03 | -2845.40 | 3.29 | -3.30 |
| | (1.88) | (2.20) | (2.45) | (2.15) |
| South Atlantic | -194.56 | -1247.20 | 2.52 | -1.96 |
| | (0.33) | (1.23) | (2.18) | (1.49) |
| East South Central | -2253.81 | -3032.17 | 2.89 | -3.97 |
| | (2.74) | (2.14) | (1.78) | (2.15) |
| West South Central | -419.45 | -1018.19 | 3.78 | -2.10 |
| | (0.64) | (0.97) | (2.93) | (1.43) |
| Mountain | -1240.04 | -1412.11 | 2.01 | -2.85 |
| | (1.70) | (1.18) | (1.40) | (1.74) |
| Pacific Coast | -1522.36 | -776.00 | -1.54 | -0.51 |
| | (2.62) | (0.72) | (1.35) | (0.39) |
| Non-Urban Area | -1346.65 | -1312.13 | -0.27 | -0.52 |
| | (3.28) | (1.81) | (0.33) | (0.56) |
| Adjusted R Square | .45 | .35 | .18 | .04 |

Table 50

Determinants of 1979 Earnings, Hours Worked and Wages
Estimated Coefficients
(T-Statistics)

Post-Secondary Teachers
(With Industry Restrictions)

| | Earnings | Earnings (full-time) | Weekly Hours | Hourly Wage |
|---|---|---|---|---|
| Intercept | -3089.80<br>(2.25) | 1796.27<br>(0.72) | 13.59<br>(5.08) | 2.10<br>(0.67) |
| Other HH Earnings | -44.72<br>(4.01) | -9.12<br>(0.43) | -0.10<br>(4.60) | -0.03<br>(1.17) |
| Female | -5865.25<br>(17.21) | -4977.45<br>(7.65) | -7.47<br>(11.24) | -0.53<br>(0.68) |
| Black | 1953.28<br>(2.52) | 1405.54<br>(0.98) | 0.65<br>(0.43) | 2.03<br>(1.14) |
| Hispanic | 1949.75<br>(1.66) | 7817.99<br>(2.97) | 0.14<br>(0.06) | 0.29<br>(0.11) |
| Asian | -3308.62<br>(2.14) | -4632.52<br>(1.18) | -0.93<br>(0.31) | -2.57<br>(0.73) |
| Other Ethnic | 1749.46<br>(0.72) | -1778.75<br>(0.41) | -5.82<br>(1.22) | 7.47<br>(1.34) |
| Years of Schooling | 736.54<br>(10.50) | 588.57<br>(4.62) | 1.13<br>(8.27) | 0.28<br>(1.74) |
| Attending School Now | -3444.88<br>(7.68) | -2292.47<br>(2.44) | -3.39<br>(3.88) | -0.30<br>(0.29) |
| Experience | 693.39<br>(16.08) | 619.72<br>(7.09) | 0.46<br>(5.47) | 0.48<br>(4.86) |
| Experience Squared | -10.77<br>(11.53) | -7.55<br>(3.84) | -0.01<br>(5.49) | -0.01<br>(4.68) |
| Non US Citizen | -2443.37<br>(2.16) | -2434.97<br>(0.98) | -3.05<br>(1.38) | -2.96<br>(1.14) |
| Poor English Skills | -209.71<br>(0.07) | -7479.03<br>(1.30) | -0.05<br>(0.01) | 0.93<br>(0.14) |

| | | | | |
|---|---|---|---|---|
| Federal Employee | 2691.24 | 6286.96 | 0.99 | 1.82 |
| | (1.58) | (2.00) | (0.30) | (0.47) |
| State or Local Govt. | 2355.38 | 3366.73 | 1.39 | 0.89 |
| | (6.80) | (5.43) | (2.06) | (1.12) |
| Disabled | -3197.96 | -1634.96 | -1.75 | -0.28 |
| | (3.84) | (1.04) | (1.08) | (0.15) |
| Northeast | -39.88 | -596.31 | 1.44 | -1.29 |
| | (0.06) | (0.47) | (1.03) | (0.78) |
| East North Central | -460.11 | -1205.45 | 0.98 | 0.18 |
| | (0.82) | (1.20) | (0.90) | (0.14) |
| West North Central | -1168.58 | -2840.52 | 2.75 | -3.26 |
| | (1.66) | (2.10) | (2.01) | (2.03) |
| South Atlantic | -278.69 | -932.91 | 1.72 | -2.00 |
| | (0.45) | (0.87) | (1.42) | (1.41) |
| East South Central | -2360.09 | -2947.17 | 2.69 | -4.14 |
| | (2.79) | (1.98) | (1.63) | (2.13) |
| West South Central | -449.34 | -1063.21 | 3.73 | -2.21 |
| | (0.68) | (0.99) | (2.88) | (1.45) |
| Mountain | -1559.42 | -1418.05 | 1.26 | -2.88 |
| | (2.07) | (1.11) | (0.86) | (1.67) |
| Pacific Coast | -1599.80 | -918.66 | -1.69 | -0.61 |
| | (2.69) | (0.83) | (1.46) | (0.45) |
| Non-Urban Area | -1349.08 | -1372.49 | 0.01 | -0.58 |
| | (3.18) | (1.83) | (0.01) | (0.60) |
| Adjusted R Square | .45 | .34 | .19 | .04 |

### Table 51

### Determinants of 1979 Earnings, Hours Worked and Wages
Estimated Coefficients
(T-Statistics)

Artists n.e.c.

| | Earnings | Earnings (full-time) | Weekly Hours | Hourly Wage |
|---|---|---|---|---|
| Intercept | 2032.80<br>(1.59) | -2159.07<br>(0.86) | 42.46<br>(26.55) | -2.20<br>(0.58) |
| Other HH Earnings | -45.21<br>(3.68) | -26.55<br>(1.02) | -0.06<br>(3.90) | 0.05<br>(1.36) |
| Female | -5757.81<br>(12.90) | -5758.54<br>(6.45) | -6.67<br>(11.94) | -3.50<br>(2.62) |
| Black | 6.47<br>(0.01) | -2238.58<br>(1.07) | -3.67<br>(2.93) | 3.60<br>(1.20) |
| Hispanic | -102.97<br>(0.09) | 2252.44<br>(1.16) | -0.26<br>(0.19) | -0.03<br>(0.01) |
| Asian | -514.92<br>(0.27) | 909.73<br>(0.24) | -1.45<br>(0.60) | -0.54<br>(0.09) |
| Other Ethnic | -2204.41<br>(1.27) | 148.77<br>(0.04) | -6.59<br>(3.03) | 21.61<br>(4.16) |
| Years of Schooling | 521.25<br>(7.01) | 983.05<br>(6.80) | -0.02<br>(0.21) | 0.69<br>(3.10) |
| Attending School Now | -2693.65<br>(4.17) | -2152.94<br>(1.24) | -7.13<br>(8.82) | 0.77<br>(0.40) |
| Experience | 539.20<br>(11.59) | 628.93<br>(7.21) | -0.07<br>(1.20) | 0.36<br>(2.59) |
| Experience Squared | -7.77<br>(9.02) | -7.58<br>(4.74) | -0.00<br>(0.00) | -0.00<br>(0.00) |
| Non US Citizen | -1356.72<br>(1.19) | -3825.27<br>(1.80) | 1.49<br>(1.04) | -3.76<br>(1.10) |
| Poor English Skills | -3553.76<br>(1.49) | -8228.20<br>(2.02) | -0.77<br>(0.26) | -2.44<br>(0.34) |

| | | | | |
|---|---|---|---|---|
| Self-Employed | 961.82<br>(1.99) | 920.46<br>(1.06) | 3.00<br>(4.95) | 0.96<br>(0.66) |
| Federal Employee | 2826.08<br>(1.61) | 3517.46<br>(1.15) | 0.38<br>(0.17) | -3.20<br>(0.61) |
| State or Local Govt. | -733.39<br>(0.83) | -1463.97<br>(0.82) | -1.87<br>(1.69) | -1.60<br>(0.60) |
| Disabled | -5703.63<br>(6.44) | -6680.04<br>(3.38) | -1.39<br>(1.25) | -2.87<br>(1.08) |
| Northeast | -885.21<br>(0.90) | -1067.59<br>(0.56) | -1.14<br>(0.92) | -2.92<br>(0.99) |
| East North Central | -531.47<br>(0.70) | -1176.41<br>(0.84) | -0.94<br>(0.99) | -1.84<br>(0.81) |
| West North Central | -1373.32<br>(1.36) | -3489.85<br>(1.81) | 0.11<br>(0.09) | -7.42<br>(2.46) |
| South Atlantic | -566.18<br>(0.78) | -957.13<br>(0.72) | 0.03<br>(0.03) | -1.25<br>(0.58) |
| East South Central | -2185.36<br>(1.86) | -2488.43<br>(1.09) | -2.36<br>(1.61) | -1.57<br>(0.45) |
| West South Central | -473.64<br>(0.50) | -922.33<br>(0.55) | -1.00<br>(0.84) | -2.22<br>(0.78) |
| Mountain | 210.03<br>(0.22) | 16.29<br>(0.01) | -1.78<br>(1.49) | -0.71<br>(0.25) |
| Pacific Coast | 2573.71<br>(3.71) | 3663.27<br>(2.82) | -1.00<br>(1.15) | 3.46<br>(1.67) |
| Non-Urban Area | -1713.83<br>(2.80) | -1718.01<br>(1.47) | 0.92<br>(1.20) | -2.19<br>(1.20) |
| Adjusted R Square | .15 | .13 | ..09 | .02 |

## Table 52

## Determinants of 1979 Earnings, Hours Worked and Wages
Estimated Coefficients
(T-Statistics)

Artists n.e.c.
(With Industry Restrictions)

| | Earnings | Earnings (full-time) | Weekly Hours | Hourly Wage |
|---|---|---|---|---|
| Intercept | 3628.18<br>(2.11) | 3416.31<br>(0.98) | 43.94<br>(21.69) | -3.45<br>(0.63) |
| Other HH Earnings | -40.66<br>(2.40) | -46.36<br>(1.38) | -0.02<br>(1.00) | -0.03<br>(0.56) |
| Female | -4552.67<br>(7.56) | -5875.88<br>(4.73) | -3.69<br>(5.22) | -4.92<br>(2.59) |
| Black | -706.55<br>(0.55) | -3626.67<br>(1.26) | -4.02<br>(2.67) | 1.01<br>(0.25) |
| Hispanic | -30.56<br>(0.02) | 2319.12<br>(0.97) | 0.08<br>(0.05) | -0.99<br>(0.23) |
| Asian | 655.51<br>(0.28) | 4604.09<br>(0.97) | -1.39<br>(0.50) | 1.18<br>(0.16) |
| Other Ethnic | -2398.64<br>(1.05) | 1865.92<br>(0.40) | -7.12<br>(2.66) | 30.43<br>(4.23) |
| Years of Schooling | 326.29<br>(3.23) | 593.60<br>(2.93) | -0.20<br>(1.69) | 0.75<br>(2.35) |
| Attending School Now | -2744.47<br>(3.30) | -1969.39<br>(0.84) | -7.03<br>(7.19) | 1.29<br>(0.49) |
| Experience | 609.60<br>(9.83) | 593.16<br>(5.12) | 0.05<br>(0.69) | 0.34<br>(1.74) |
| Experience Squared | -8.78<br>(7.82) | -7.75<br>(3.81) | -0.00<br>(0.00) | -0.00<br>(0.00) |
| Non US Citizen | -1628.36<br>(1.21) | -4864.50<br>(1.93) | 0.48<br>(0.30) | -4.10<br>(0.96) |
| Poor English Skills | -6273.65<br>(2.04) | -9882.91<br>(1.96) | -4.45<br>(1.23) | -2.57<br>(0.27) |

| | | | | |
|---|---|---|---|---|
| Self-Employed | 445.08<br>(0.71) | 703.05<br>(0.61) | 0.71<br>(0.97) | 2.14<br>(1.08) |
| Federal Employee | 831.65<br>(0.20) | -3270.89<br>(0.52) | 0.59<br>(0.12) | -1.34<br>(0.10) |
| State or Local Govt. | -186.53<br>(0.15) | 938.51<br>(0.35) | -3.57<br>(2.43) | 0.55<br>(0.14) |
| Disabled | -6352.46<br>(5.31) | -6816.11<br>(2.40) | -3.22<br>(2.29) | -5.80<br>(1.54) |
| [redacted] | | | | |
| Northeast | -1567.66<br>(1.20) | -3416.34<br>(1.35) | -0.86<br>(0.56) | -1.78<br>(0.43) |
| East North Central | -411.61<br>(0.40) | -992.83<br>(0.51) | -0.07<br>(0.06) | -1.35<br>(0.42) |
| West North Central | -1473.51<br>(1.06) | -2273.02<br>(0.81) | -0.49<br>(0.30) | -10.38<br>(2.36) |
| South Atlantic | -267.26<br>(0.28) | 94.68<br>(0.05) | -1.58<br>(1.41) | 1.45<br>(0.48) |
| East South Central | -2030.41<br>(1.27) | -1531.21<br>(0.48) | -2.69<br>(1.43) | 0.92<br>(0.18) |
| West South Central | -1.76<br>(0.00) | 522.84<br>(0.23) | -1.14<br>(0.77) | -0.13<br>(0.03) |
| Mountain | 1010.67<br>(0.84) | 1128.24<br>(0.51) | -2.36<br>(1.66) | 1.98<br>(0.52) |
| Pacific Coast | 3863.29<br>(4.21) | 4918.62<br>(2.82) | -1.43<br>(1.33) | 6.64<br>(2.29) |
| Non-Urban Area | -1229.02<br>(1.50) | -886.92<br>(0.55) | 1.21<br>(1.26) | -1.49<br>(0.58) |
| Adjusted R Square | .13 | .09 | .05 | .02 |

## Table 53

### Regression Coefficients for Selected Variables (T-Statistics)

| | Years of Schooling | Experience | Experience Squared | Female | Black |
|---|---|---|---|---|---|
| All Workers | 1542.77<br>(71.60) | 615.31<br>(42.68) | -8.45<br>(28.94) | -7447.71<br>(59.78) | -2333.36<br>(11.53) |
| All Managerial Prof. & Tech. | 1896.35<br>(64.05) | 900.15<br>(43.28) | -12.61<br>(28.73) | -8534.98<br>(48.31) | 2302.84<br>(6.73) |
| All Artists (with restrictions) | 1149.54<br>(24.53) | 1066.62<br>(34.41) | -15.39<br>23.93) | -6718.51<br>23.31) | -813.25<br>(1.30) |
| All Artists (with rest. & occupations) | 754.93<br>(14.47) | 1037.04<br>(33.83) | -15.11<br>(23.86) | -5726.45<br>(19.29) | -862.39<br>(1.40) |
| Actors and Directors | 782.02<br>(5.13) | 1333.72<br>(15.83) | -21.29<br>(12.04) | -8799.04<br>(11.78) | -1510.52<br>(1.00) |
| Announcers | 1177.76<br>(10.11) | 1188.45<br>(16.98) | -16.56<br>(10.42) | -3618.79<br>(5.69) | -922.33<br>(0.87) |
| Architects | 554.32<br>(3.96) | 1568.30<br>(23.23) | -26.92<br>(19.60) | -6777.71<br>(6.57) | -2914.20<br>(1.49) |
| Authors | 515.09<br>(3.11) | 665.22<br>(7.23) | -11.00<br>(6.80) | -9140.49<br>(11.00) | -1031.92<br>(0.37) |
| Dancers and Choreographers | 1.76<br>(0.02) | 398.77<br>(5.13) | -6.99<br>(3.87) | -2361.86<br>(3.65) | 1340.71<br>(1.39) |
| Designers | 948.64<br>(9.75) | 895.23<br>(16.19) | -12.90<br>(10.92) | -6261.43<br>(13.98) | -2923.57<br>(2.44) |
| Musicians and Composers | 507.86<br>(11.57) | 510.98<br>(18.14) | -8.38<br>(15.71) | -5369.64<br>(20.01) | 792.79<br>(1.64) |
| Painters and Sculptors | 143.04<br>(2.70) | 526.95<br>(18.67) | -9.04<br>(16.84) | -6461.97<br>(25.22) | -2378.11<br>(3.04) |
| Photographers | 307.41<br>(4.39) | 646.50<br>(16.46) | -10.92<br>(14.11) | -6051.89<br>(16.13) | -2172.22<br>(2.87) |
| Post-secondary Teachers | 736.54<br>(10.50) | 693.39<br>(16.08) | -10.77<br>(11.53) | -5865.25<br>(17.21) | 1953.28<br>(2.52) |
| Artists n.e.c. | 326.29<br>(3.23) | 609.60<br>(9.83) | -8.78<br>(7.82) | -4552.67<br>(7.56) | -706.55<br>(0.55) |

# Table 54

## Predicted Additional Annual Earnings From Each Year of Experience

| Prior Experience | All Workers | Managers, Prof. & Tech. | All Artists* | All Artists (with Occup) |
|---|---|---|---|---|
| 0 | $615.31 | $900.15 | $1066.62 | $1037.04 |
| 5 | 530.81 | 773.95 | 912.72 | 885.94 |
| 10 | 446.31 | 647.75 | 758.82 | 734.84 |
| 15 | 361.81 | 521.55 | 604.92 | 583.74 |
| 20 | 277.31 | 395.35 | 451.02 | 432.64 |
| 25 | 192.81 | 269.15 | 297.12 | 281.54 |
| 30 | 108.31 | 142.95 | 143.22 | 130.44 |

*Figures for all artists are for the sample including industry restrictions.

## SECTION X

## INEQUALITY IN ARTISTS' EARNINGS

The results presented so far suggest that working artists do not earn a great deal less than other workers, especially after standardization for personal and life-cycle characteristics. However, while mean incomes of artists may not be lower than those of other workers, one can legitimately ask whether this is due to the high earnings of a few well-paid stars masking the low earnings of the bulk of artists. Thus, we are led to a consideration of whether the distribution of artists' earnings is significantly more unequal than that of other workers. Since median incomes should be relatively unaffected by the extreme earnings of superstars, it is enlightening to examine relative median as well as mean earnings when comparing artists with other groups. For full-time artists, mean earnings are 85% of those for full-time managers, professionals and technicians. A comparison of medians indicates that the median full-time artist earned 83% of what the median manager, professional or technician earned. The mean artist earned 117% of what the mean worker earned while the median artist had an income that was 111% of the median worker.[38] The relative similarity of mean and median ratios suggests that the income figures for artists are not substantially affected by a limited number of high-earners.

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[38] If all members of the occupations including part-time or part-year workers are analyzed, the differences between mean ratios and median ratios become somewhat larger. The mean artist earned 74% of the mean manager, professional or technician and 114% of the mean worker while the comparable

Table 55 for all workers and Table 56, which is limited to full-time, full-year workers, present three measures that shed further light on the degree of inequality among artists' incomes. The most common measure of the extent of inequality in a group's income is the Gini coefficient, which ranges from a value of 0 if all members of the group have an identical income to 1 if there is perfect inequality with all of the group's income accruing to a single member.[39] An alternative indication of the degree of dispersion in a group's income can be obtained from its coefficient of variation or the ratio of the standard deviation of income to its mean. For a group with perfect equality of income, the standard deviation of income will be zero and therefore the coefficient of variation will be zero. Unlike the Gini coefficient, however, there is no upper limit on the coefficient of

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figures for median members of the groups were 62% and 99%. As was seen above, this difference arises because part-time artists are more common than part-time workers in the comparison groups.

[39] For those who do not remember the derivation of the Gini coefficient, it measures the ratio of the area between a plot of cumulative income for a group versus the cumulative number of members of the group (the Lorenz curve) and a 45-degree line to the area below the 45-degree line.

variation.[40] Finally, Tables 55 and 56 also contain the ratios of the mean of earnings to the median of earnings for the various groups. If income is normally distributed, this ratio should be one. The higher it is, the more prominent the upper tail of the income distribution is in raising mean incomes.

Examination of the figures in Tables 55 and 56 indicate that there is a greater dispersion of incomes among artists than among the entire workforce or among managers, professionals and technicians. However, this difference does not appear to be large. The Gini coefficient for all full-time, full-year artists is .42 considering only those artists in the restricted set of industries and .39 using all Census-defined artists. This compares with figures of .37 for managers, professionals and technicians and .36 for all workers. Similarly, the coefficient of variation is only slightly larger for artists than for the reference groups (1.01 with the industry restrictions or .92 without them, compared with .88 for both of the control groups). Finally, and somewhat surprisingly, the ratios of mean to median incomes do not differ among any of the three groups. If part-time and part-year workers are included in the analysis the distribution of artists' incomes does appear more dispersed than those of the control groups because more artists fall into the lower-earning part-time group.

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[40] Both the Gini coefficient and the coefficient of variation will slightly understate the degree of inequality in Census data because the substitution of mean values of income among those earning over $75,000 a year for actual values, while producing an unbiased estimate of mean and median income, will bias the standard deviation of income downward. This effect should not be substantial given that fewer than one percent of both the artistic and general workforces had earnings over $75,000 in any category.

The comparisons presented in Tables 55 and 56 may be misleading since the category of all artists is more homogeneous than that of all workers or even all managers, professionals and technicians. Thus, one might expect a lower degree of dispersion due to the narrower occupational category. Table 57 presents measures of inequality for full-time, full-year workers in selected three-digit occupations.[41] As can be seen by comparing figures in Tables 56 and 57, Gini coefficients and coefficients of variation for specific arts occupations tend to be higher than those for other occupations. In general, routinized jobs where pay is attached to the job rather than to the individual generate a lower dispersion of incomes. Gini coefficients for occupations where individual talent and performance are important determinants of earnings tend to be similar to those for artists. Thus, the degree of earnings inequality among physicians, lawyers, sales personnel and farmers is approximately the same as that among artists. Once again, it does not appear that the labor market for artists is substantially different in its outcomes than that for other workers.

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[41] Occupations were selected to cover a wide range of work situations and to be large enough that there were a sufficient number of workers in the control samples to generate reliable Gini coefficients.

Table 55

Measures of Inequality for Artists
(Including Part-Time Workers)

| | With Industry Restrictions | | | With No Industry Restrictions | | |
|---|---|---|---|---|---|---|
| | Gini Coefficient | s.d./ Mean | Mean/ Median | Gini Coefficient | s.d./ Mean | Mean/ Median |
| Actors and Directors | .63 | 1.41 | 1.67 | .62 | 1.39 | 1.66 |
| Announcers | .63 | 1.39 | 1.46 | .64 | 1.41 | 1.49 |
| Architects | .44 | .89 | 1.20 | .47 | .92 | 1.21 |
| Authors | .73 | 1.72 | 2.13 | .70 | 1.61 | 1.95 |
| Dancers and Choreographers | .69 | 1.22 | 1.40 | .70 | 1.22 | 1.45 |
| Designers | .51 | .96 | 1.25 | .56 | 1.00 | 1.27 |
| Musicians and Composers | .72 | 1.52 | 1.59 | .74 | 1.54 | 1.66 |
| Painters and Sculptors | .65 | 1.20 | 1.41 | .61 | 1.10 | 1.27 |
| Photographers | .59 | 1.18 | 1.35 | .57 | 1.10 | 1.27 |
| Post-Secondary Teachers | .57 | .79 | 1.13 | .58 | .78 | 1.12 |
| Artists n.e.c. | .66 | 1.41 | 1.50 | .67 | 1.41 | 1.59 |
| All Artists | .64 | 1.32 | 1.48 | .62 | 1.22 | 1.40 |
| All Workers | .57 | 1.11 | 1.32 | .57 | 1.11 | 1.32 |
| All Managerial, Prof. and Tech. Workers | .52 | 1.04 | 1.25 | .52 | 1.04 | 1.25 |

Table 56

Measures of Inequality for Artists
(Full-Time, Full-Year Workers Only)

| | With Industry Restrictions | | | With No Industry Restrictions | | |
|---|---|---|---|---|---|---|
| | Gini Coefficient | s.d./ Mean | Mean/ Median | Gini Coefficient | s.d./ Mean | Mean/ Median |
| Actors and Directors | .45 | 1.10 | 1.46 | .44 | 1.06 | 1.45 |
| Announcers | .41 | 1.06 | 1.41 | .41 | 1.05 | 1.39 |
| Architects | .35 | .80 | 1.24 | .35 | .79 | 1.22 |
| Authors | .55 | 1.43 | 1.59 | .51 | 1.32 | 1.48 |
| Dancers and Choreographers | .40 | .93 | 1.25 | .41 | .93 | 1.27 |
| Designers | .35 | .80 | 1.22 | .35 | .71 | 1.15 |
| Musicians and Composers | .47 | 1.19 | 1.47 | .44 | 1.12 | 1.36 |
| Painters and Sculptors | .40 | .93 | 1.26 | .37 | .84 | 1.22 |
| Photographers | .37 | .90 | 1.24 | .35 | .83 | 1.19 |
| Post-Secondary Teachers | .25 | .47 | 1.05 | .25 | .47 | 1.05 |
| Artists n.e.c. | .42 | 1.10 | 1.30 | .42 | 1.08 | 1.30 |
| All Artists | .42 | 1.01 | 1.29 | .39 | .92 | 1.21 |
| All Workers | .36 | .88 | 1.22 | .36 | .88 | 1.22 |
| All Managerial, Prof. and Tech. Workers | .37 | .88 | 1.26 | .37 | .88 | 1.26 |

## Table 57

## Measures of Inequality for Selected Comparison Occupations (Full-Time, Full-Year Workers Only)

| | Gini Coefficient | s.d./ mean | Mean/ Median |
|---|---|---|---|
| Financial Managers | .32 | .80 | 1.16 |
| Accountants | .30 | .67 | 1.16 |
| Buyers, Wholesale & Retail | .34 | .85 | 1.20 |
| Electrical Engineers | .20 | .39 | 1.04 |
| Computer Analysts | .21 | .42 | 1.04 |
| Physicians | .41 | .78 | 1.28 |
| Dentists | .36 | .76 | 1.22 |
| Economists (Non-Academic) | .28 | .56 | 1.12 |
| Lawyers | .40 | .82 | 1.33 |
| Pilots | .41 | .79 | 1.36 |
| Real Estate Sales | .42 | .93 | 1.32 |
| Clothing Sales | .38 | 1.27 | 1.39 |
| Secretaries | .21 | .52 | 1.07 |
| Police Officers | .19 | .34 | 1.01 |
| Waiters & Waitresses | .30 | .70 | 1.11 |
| Cooks (except short-order) | .29 | .57 | 1.10 |
| Farmers | .47 | 1.03 | 1.37 |
| Auto Mechanics | .30 | .75 | 1.15 |
| Carpenters | .28 | .52 | 1.08 |
| Plumbers | .31 | .69 | 1.07 |
| Machinists | .23 | .42 | 1.01 |
| Butchers | .26 | .48 | .99 |
| Truck Drivers (heavy) | .29 | .60 | 1.09 |
| Construction Laborers | .35 | .94 | 1.18 |

## SECTION XI

## SUMMARY AND CONCLUSIONS

In reviewing the economic status of artists in the United States as of the 1980 Census, several patterns stand out. First of all, while there are many common elements to the labor market picture for artists, it is clear that it is highly misleading to speak of the "labor market for artists." The labor market differs widely across various types of artists, with some doing very well economically and others having earnings more in line with the conventional picture of economic hardship. There is also distinct geographic variation in the labor market picture for artists. In some areas artists (or at least some types of artists) can expect to earn at least as much as other managers, professionals and technical workers while in other areas artists' earnings may be as low as three quarters of this reference group. To a large extent these geographic differences are consistent with the migratory patterns of artists.

The second fact that is clear from the data is that while we can isolate many correlates of high and low levels of earnings among artists, we know very little about what fundamentally determines such success. The limited ability of measurable variables to predict earnings seen in the regression estimates suggests that further research on artistic incomes will be need to use much richer data sources.

Given the problems with self-selected samples discussed in Section II of this report, it is clear that the National Endowment could perform a major service by devoting resources to defining where it, for research purposes, would like to draw the line between artists and hobbyists and to obtaining from a true random sample of artists far more information regarding their sources of income, training and career paths. Only then can we begin to determine whether the low earnings of some artists represent economic hardship or voluntary choices.

Without such a common definition and well designed survey, there is little hope that the alternative pictures of the economic health of the artistic professions can be reconciled. Thus, believers and advocates will continue to portray the arts as everything from an economic wasteland to a marvelous opportunity to be well-paid for one of the few jobs that almost all members of our society would agree is truly enjoyable in its own right.

To the extent that the current study can shed light on this issue, it appears that the earnings of those artists who were able to work in the arts in 1979 are consistent with a well-functioning labor market that adequately rewards creative workers in comparison to similar workers in other occupations.

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